



# WEST VIRGINIA VITAL STATISTICS 2013



# SIXTY-SEVENTH ANNUAL REPORT

## WEST VIRGINIA VITAL STATISTICS 2013



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## TABLE OF CONTENTS

	<u>Page</u>
Foreword .....	1
2013 West Virginia and United States Vital Statistics Review .....	2
Selected Records and Trivia, West Virginia, 2013 .....	3
Average Day Statistics, West Virginia, 2013 .....	4
POPULATION .....	5
Population Summary .....	7
Exhibit 1:    West Virginia Population, 1925-2013 .....	9
Table 1:    West Virginia Population by County, 2012 and 2013 .....	10
Table 2:    West Virginia Population Characteristics, 2010 and 2013 Distribution by Gender, Age and Race.....	11
Table 3:    Age Group Distribution by County West Virginia Population, 2010 Census (Both Genders) .....	12
Exhibit 2:    Population Density per Square Mile by County West Virginia, 2013 .....	18
Exhibit 3:    Per Capita Personal Income by County West Virginia, 2013 .....	19
Table 4:    Births, Deaths, Natural Increase or Decrease and Net Migration West Virginia Population, 1970-2013 .....	20
BIRTHS.....	21
Birth Summary .....	23
Exhibit 4:    Number and Rate of Resident Births (Compared to Deaths) West Virginia, 1925-2013 .....	25
Table 5:    Summary Totals West Virginia Resident Births, 2013 .....	26

	<u>Page</u>
Table 6: Birthweight by Age of Mother West Virginia Resident Births, 2013 .....	27
Table 7: Selected Factors by Birthweight of Infant West Virginia Resident Births, 2013 .....	28
Exhibit 5: Birthweight in Grams West Virginia Resident Births, 2013 .....	29
Exhibit 6: Age of Mother West Virginia Resident Births, 2013 .....	29
Table 8: Marital Status by Age of Mother West Virginia Resident Births, 2009-2013 .....	30
Exhibit 7: Marital Status by Age of Mother West Virginia Resident Births, 2013 .....	30
Exhibit 8: Percent of Births to Unmarried Mothers West Virginia Resident Births, 1950-2013 .....	31
Exhibit 9: Percent of Births to Unmarried Mothers and Unmarried Mothers with Paternity Affidavit West Virginia Occurrence Births, 1975-2013.....	32
Table 9: Selected Factors by Race of Mother West Virginia Resident Births, 2013 .....	33
Table 10: Prenatal Care by Mother’s Race, Marital Status and Education West Virginia Resident Births, 2013 .....	34
Table 11: Births by Method of Delivery Number and Percent by Facility of Occurrence West Virginia, 2013 .....	36
Table 12: Full-Term Births (39 or More Weeks Gestation) by Method of Delivery Number and Percent by Facility of Occurrence West Virginia, 2013 .....	37
Table 13: Labor-Induced Births by Method of Delivery Number and Percent by Facility of Occurrence West Virginia, 2013 .....	38

	<u>Page</u>
Table 14: Mother’s Marital Status and Method of Paternity Establishment Unmarried Mothers by Hospital of Birth West Virginia Occurrences, 2013.....	39
Table 15: Out-of-State Occurrences West Virginia Resident Births, 2009-2013 .....	40
Table 16: Out-of-State Residents Born in West Virginia West Virginia Occurrence Births, 2009-2013.....	40
DEATHS.....	41
Death Summary .....	43
Exhibit 10: Number and Rate of Resident Deaths (Compared to Births) West Virginia, 1925-2013 .....	45
Table 17: Summary Totals West Virginia Resident Deaths, 2013 .....	46
Table 18: Out-of-State Occurrences West Virginia Resident Deaths, 2009-2013 .....	47
Table 19: Deaths to Out-of-State Residents West Virginia Occurrence Deaths, 2009-2013.....	47
Exhibit 11: 2013 West Virginia and United States Resident Deaths Leading Causes of Death.....	48
Table 20: Top Twenty Leading Causes of Years of Potential Life Lost Before Age 75 Compared to Actual Deaths of All Ages West Virginia Residents, 2012 and 2013 .....	49
Exhibit 12: Top Ten Causes of Years of Potential Life Lost Before Age 75 Compared to Resident Deaths of All Ages West Virginia Resident Deaths, 2013 .....	50
Table 21: Leading Causes of Death by Age Group and Gender West Virginia Resident Deaths, 2013 .....	51
Exhibit 13: 2013 Ten Leading Causes of Death by Gender West Virginia Resident Death Rates .....	55

	<u>Page</u>
Table 22: Types of Firearm Injury Deaths by Age Group and Gender West Virginia Residents, 2013 .....	56
Table 23: Non-Transport Accidental Injury Deaths Place Where Injury Occurred West Virginia Residents, 2013 .....	56
Table 24: Causes of Resident Deaths: Number and Rate West Virginia, 2013 .....	57
Table 25: Selected Causes of Resident Deaths: Number by Race and Gender West Virginia, 2013 .....	70
Table 26: Selected Causes of Resident Deaths by Age Group West Virginia, 2013 .....	71
Table 27: Selected Causes of Resident Deaths by Month of Occurrence West Virginia, 2013 .....	72
INFANT AND FETAL DEATH.....	73
Infant and Fetal Death Summary .....	75
Table 28: Fetal Deaths, Neonatal Deaths and Postneonatal Deaths: Number and Rate/Ratio West Virginia Resident Deaths, 1925-2013 .....	77
Exhibit 14: Fetal Deaths, Neonatal Deaths and Postneonatal Deaths West Virginia Resident Perinatal Deaths, 2013 .....	78
Table 29: Causes of Resident Infant Deaths by Age West Virginia, 2013 .....	79
Table 30: Causes of Resident Infant Deaths by Birthweight West Virginia, 2013 .....	81
Table 31: Births and Infant Deaths by Selected Risk Factors and Demographics West Virginia Residents, 2013 .....	83
Exhibit 15: Resident Infant Death Rates by County West Virginia, 2004-2008 and 2009-2013 .....	84

	<u>Page</u>
Table 32: Causes of Resident Fetal Deaths West Virginia, 2009-2013 .....	85
INDUCED TERMINATIONS OF PREGNANCY (ITOP).....	87
Induced Terminations of Pregnancy (ITOP) Summary .....	89
Table 33: ITOP by Age of Female and Weeks of Gestation West Virginia Occurrences, 2013.....	91
Table 34: ITOP by Age of Female and Marital Status West Virginia Occurrences, 2013.....	91
Table 35: ITOP by Age of Female and Previous Live Births West Virginia Occurrences, 2013.....	92
Table 36: Previous ITOPs by Age of Female West Virginia Occurrences, 2013.....	92
MARRIAGES AND DIVORCES.....	93
Marriage and Divorce Summary.....	95
Exhibit 16: Marriages, Divorces and Annulments West Virginia, 1970-2013 .....	97
Table 37: Marriages by Age of Bride and Groom West Virginia, 2013 .....	98
Exhibit 17: Marriages by Month of Occurrence West Virginia, 2013 .....	99
Table 38: Marriages by Previous Marital Status West Virginia, 2013 .....	100
Table 39: Marriages by Number of Previous Marriages West Virginia, 2013 .....	100
Table 40: Divorces and Annulments by Age of Husband and Wife West Virginia, 2013 .....	101

	<u>Page</u>
Table 41: Divorces and Annulments by Duration of Marriage and Number of Children West Virginia, 2013 .....	102
COUNTY-LEVEL DATA.....	103
County and City Summary.....	105
<u>County Births:</u>	
Table 42: Number of Births by County of Residence and Occurrence Birth Rates by County of Residence West Virginia Births, 2013 .....	107
Table 43: Number of Births by County of Residence West Virginia, 2009-2013 .....	108
Table 44: Number and Percent of Low Birthweight Births by County of Residence West Virginia, 2013 .....	109
Table 45: Age of Mother by County West Virginia Resident Births, 2013 .....	110
Table 46: Mother's Marital Status and Method of Paternity Establishment for Unmarried Mothers by County West Virginia Occurrence Births, 2013 .....	111
Table 47: Births by Month by County West Virginia Residents, 2013 .....	112
Table 48: Place of Delivery, Gender of Child by Race of Mother and Marital Status of Mother by County West Virginia Resident Births, 2013 .....	113
Table 49: Trimester Prenatal Care Began by County West Virginia Resident Births, 2013 .....	114
Table 50: Number of Prenatal Visits by County West Virginia Resident Births, 2013 .....	115

	<u>Page</u>
Table 51: Pregnancy Risk Factors, Cesarean Sections, Delivery Complications, Congenital Anomalies and/or Abnormal Conditions of the Newborn Percent of Total Births by County of Residence West Virginia Resident Births, 2013 .....	116
 <u>County Deaths:</u>	
Table 52: Number of Deaths by Race, Gender and County of Residence West Virginia, 2013 .....	117
Table 53: Number of Deaths by County of Residence and Occurrence West Virginia, 2013 .....	118
Table 54: Method of Disposition by County of Residence/Occurrence West Virginia Deaths, 2013 .....	119
Table 55: Number of Deaths by County of Residence West Virginia, 2009-2013 .....	121
Table 56: Age at Death by County of Residence West Virginia, 2013 .....	122
Table 57: Place Death Occurred by County of Residence West Virginia, 2013 .....	123
Table 58: Firearm Injury Deaths by Type of Injury and County West Virginia Residents, 2013 .....	124
Table 59: Number and Rate of Resident Infant Deaths by County West Virginia, 2009-2013 .....	125
Table 60: Number and Ratio of Resident Fetal Deaths by County West Virginia, 2009-2013 .....	126
Exhibit 18: Heart Disease Mortality Rates by County West Virginia Resident Deaths, 2009-2013 .....	127
Exhibit 19: Malignant Neoplasm Mortality Rates by County West Virginia Resident Deaths, 2009-2013 .....	128

	<u>Page</u>
Table 61: Selected Causes of Resident Deaths Number and Rate by County West Virginia, 2013 .....	129
 <u>County Marriages and Divorces:</u>	
Table 62: Marriages by Month of Occurrence West Virginia by County, 2013.....	143
Table 63: Number of Marriages by County West Virginia, 2009-2013 .....	144
Table 64: Divorces and Annulments by County of Occurrence West Virginia, 2013 .....	145
Table 65: Divorces and Annulments by County of Occurrence West Virginia, 2009-2013 .....	146
CITY-LEVEL DATA .....	147
Table 66: Number and Rate of Births by City of Residence West Virginia, 2013 .....	149
Table 67: Selected Causes of Resident Deaths Number and Rate by City West Virginia, 2013 .....	150
APPENDIX A: ICD-10 Codes .....	161
Groupings of ICD-10 Codes .....	163
APPENDIX B: Methodology, Rates/Ratios and Definitions.....	165
Methodology .....	167
Rates and Ratios.....	169
Definitions .....	170
APPENDIX C: Grams Conversion.....	173
Converting Pounds/Ounces into Grams .....	175

## FOREWORD

*West Virginia Vital Statistics 2013* publication provides an in-depth look at births, deaths, marriages and divorces that occurred among state residents in 2013. Beginning with the 2008 edition, state, county and city sections are presented separately. Please see the Table of Contents for further reference.

West Virginia had a natural decrease in population (excess of deaths over births) for the sixth year in a row. West Virginia dropped in overall population between 2012 and 2013, but 17 of the 55 counties gained population.

The number of total births increased (20,813 to 20,829) from 2012 to 2013, while the births to teenage mothers decreased. Births to unmarried mothers stayed about the same in 2013 as 2012, as more than two out of every five births still continue to occur out of wedlock. Among the unmarried mothers giving birth in West Virginia, a father was established through a paternity affidavit in 70.7% of these births, increasing slightly from 70.6% in 2012.

Of the women who gave birth in 2013, 81.9% received prenatal care during the first trimester of pregnancy, while 25.6% smoked during pregnancy. The percentage of low birthweight babies increased in 2013, going from 9.2% in 2012 to 9.4%. In 2013, 36.2% of all babies were delivered by Cesarean section.

The number of deaths increased by 260 in 2013. The average age at death for West Virginians was 69.0 for men and 75.3 for women. Cancer, which has become the leading cause of death in West Virginia for the first time ever, heart disease, chronic lower respiratory disease and accidents were the four leading causes of death, accountable for 56.7% of all deaths in West Virginia. Motor vehicle traffic accident deaths decreased by 21 in 2013, from 353 to 332.

The infant death rate rose from 7.3 per 1,000 live births in 2012 to 7.5 in 2013. The majority (83.4%) of infant deaths was due to conditions originating in the perinatal period, congenital malformations and SIDS (Sudden Infant Death Syndrome). The fetal death ratio increased from 4.5 per 1,000 live births in 2013 compared to 4.2 in 2012. Almost all (90.4%) of fetal deaths were due to conditions originating in the perinatal period.

Marriages decreased for the second year in a row, from 12,996 in 2012 to 12,382. Divorces also decreased, from 8,932 in 2012 to 8,542 in 2013.

Induced termination of pregnancy (ITOP) or induced abortion was added to our annual report beginning in 2005. This section contains data of those terminations performed in West Virginia only. There were 1,876 ITOPs performed in the state in 2013 compared with 1,828 in 2012. In 2013, 85 of these procedures involved a minor under the age of 18 compared with 76 in 2012.

Because of limited funds and the high cost of printing, we ask that you please make copies of this publication and share it with others. Please note that these data can be accessed online later in the year at <http://www.wvdhhr.org/bph/hsc/statserv/> along with other statistical publications. If you need any additional information, please contact the Health Statistics Center at (304) 558-9100 or online at <http://www.wvdhhr.org/bph/hsc/contactUs.asp>.

Daniel M. Christy, MPA, Director  
Health Statistics Center

## 2013 West Virginia and United States Vital Statistics Review

	West Virginia		United States***	
	Number	Rate*	Number	Rate*
Live Births	20,829	11.2	3,932,181	12.4
Deaths	21,846	11.8	2,596,993	8.2
Fetal Deaths	94	**4.5	N/A	N/A
Neonatal Deaths	93	**4.5	15,867	**4.0
Infant Deaths	157	**7.5	23,440	**6.0
Marriages	12,382	6.7	2,081,301	6.8
Divorces & Annulments	8,542	4.6	832,157	3.3
Natural Increase (Decrease)	(1,017)	(0.5)	1,335,188	4.2
Population (2013 Estimate)	1,854,304		316,711,497	

\*Rates based on 2013 U.S. Census Bureau estimates.

<http://census.gov/>.

\*\*Ratio/rate per 1,000 live births.

\*\*\*National Center for Health Statistics.

(Births) *National Vital Statistics Report*.

[http://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64\\_01.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64_01.pdf)

(Deaths, Neonatal and Infant Deaths) *National Vital Statistics Report*.

[http://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64\\_02.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64_02.pdf)

(Marriages and Divorces) *National Vital Statistics Report*.

[http://www.cdc.gov/nchs/nvss/marriage\\_divorce\\_tables.htm](http://www.cdc.gov/nchs/nvss/marriage_divorce_tables.htm)

Note: U.S. marriage exclude data from Georgia; divorces exclude data from California, Georgia, Hawaii, Indiana, and Minnesota.

## Selected Records and Trivia West Virginia, 2013

### Nativity

Oldest Father: 74  
 Youngest Father: 14  
 Oldest Mother: 47  
 Youngest Mother: 13  
 Highest Live Birth Order: 13<sup>th</sup> Delivery – 12 siblings (brothers and sisters)  
 Day Most Births Occurred: November 26 (91)  
 Day Fewest Births Occurred: May 25 (21)  
 Number of Live Born Twins: 614  
 Number of Live Born Triplets: 12  
 Number of Live Born Quadruplets: 0

### Most Popular Names for Babies

<u>Boys' Names</u>	<u>Number</u>	<u>Girls' Names</u>	<u>Number</u>
Mason	151	Emma	146
Liam	141	Olivia	128
Noah	121	Sophia	109
Elijah	114	Ava	99
Bentley	106	Abigail	98
Hunter	105	Isabella	97
Brayden	102	Madison	90
Jackson	95	Lillian	81
Owen	92	Addison	76
Jacob	91	Aubrey	75

### Mortality

Oldest Male Decedent: 106  
 Oldest Female Decedent: 113  
 Number of Male Decedents 100 Yrs. & Older: 25  
 Number of Female Decedents 100 Yrs. & Older: 140  
 Day Most Deaths Occurred: January 8 and January 24 (84)  
 Day Fewest Deaths Occurred: June 24 (37)

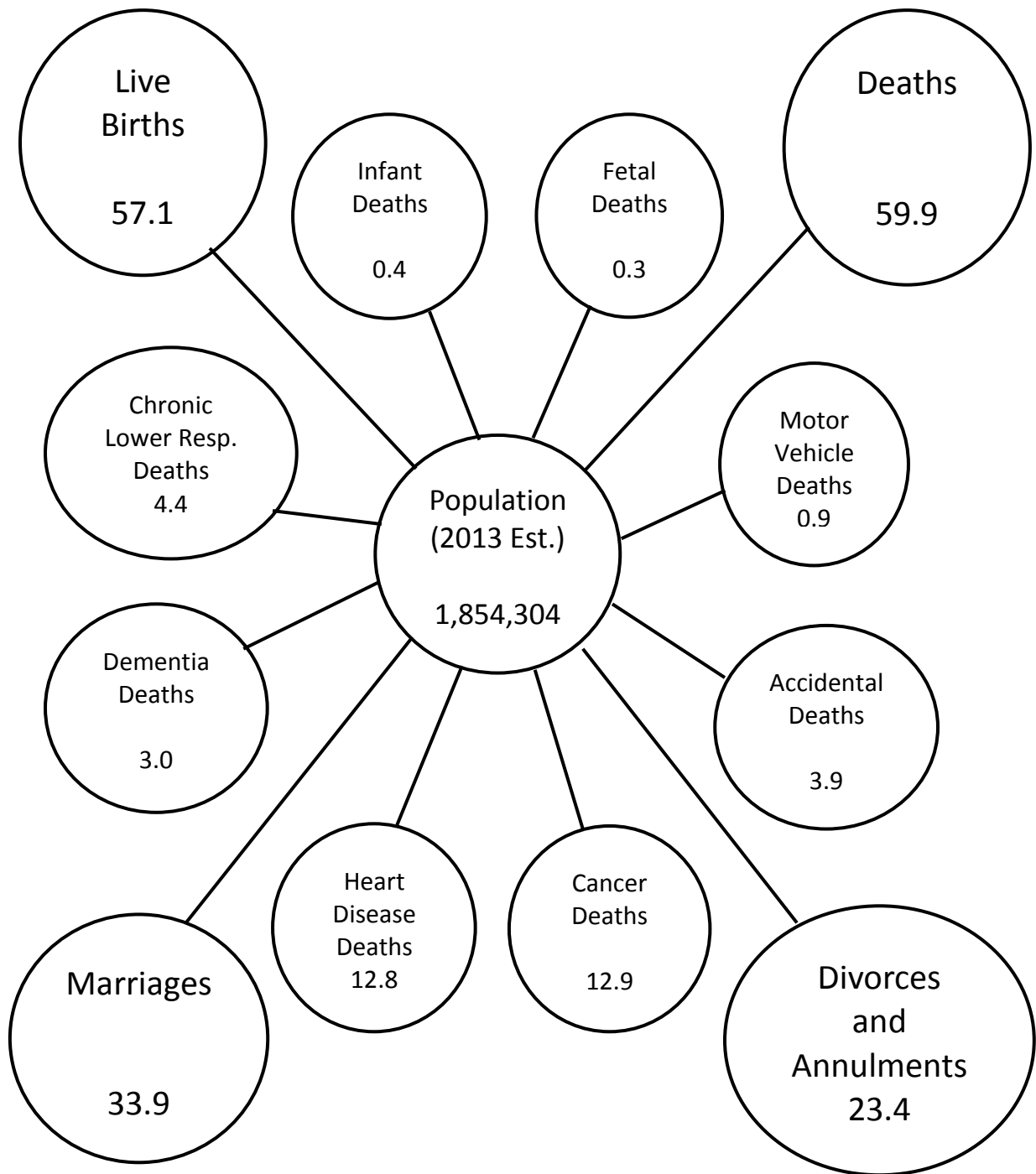
### Marriage

Oldest Groom: 93  
 Youngest Groom: 16  
 Oldest Bride: 87  
 Youngest Bride: 16  
 Largest Age Difference with Bride Older: 36 Years  
 Largest Age Difference with Groom Older: 66 Years

### Divorce

Oldest Male Divorcé: 87  
 Youngest Male Divorcé: 13  
 Oldest Female Divorcée: 92  
 Youngest Female Divorcée: 16  
 Marriage of Longest Duration Ending in Divorce: 56 Years

## Average Day Statistics West Virginia, 2013



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# West Virginia Vital Statistics

## **Population**



## Population Summary

In 2013, 1,109 West Virginians were lost to the total population as a result of net migration. The 2013 Census shows an overall increase (approximately 0.1%) in the state's population since 2010, from 1,852,994 to 1,854,304. This increase is the result of a slight growth in the excess of immigration over outmigration during that span, in spite of the natural decrease (excess of deaths over births).

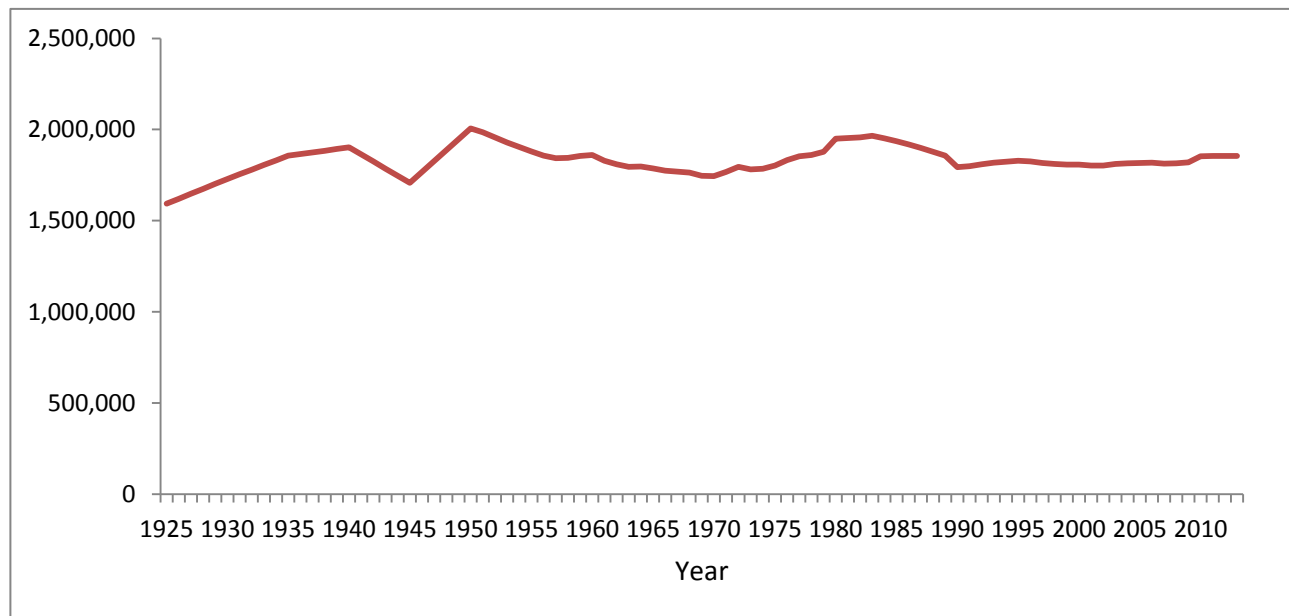
Even though there was an increase in the overall population from 2010 to 2013, less than one-third (15) of the state's 55 counties have shown an increase. Furthermore, only one-half (15) of the state's 30 largest cities have shown an increase in population since the 2010 Census.

The U.S. Census Bureau estimates the population during non-census years and can be found at [www.census.gov](http://www.census.gov). Updates are officially announced as of July 1 every year until the decennial census, which is on April 1. Every year, the actual estimates change from previous years, but vintage years are still available on their website.



# West Virginia Population, 1925-2012

## Exhibit 1



Year	Population	Change in Population	
		Years	Percentage Change
1925*	1,593,005		
1930	1,729,205	1925 to 1930	8.5%
1935*	1,856,354	1930 to 1935	7.4%
1940	1,901,974	1935 to 1940	2.5%
1945*	1,708,000	1940 to 1945	-10.2%
1950	2,005,552	1945 to 1950	17.4%
1955*	1,880,000	1950 to 1955	-6.3%
1960	1,860,421	1955 to 1960	-1.0%
1965*	1,786,000	1960 to 1965	-4.0%
1970	1,744,237	1965 to 1970	-2.3%
1975*	1,803,000	1970 to 1975	3.4%
1980	1,949,644	1975 to 1980	8.1%
1985*	1,936,000	1980 to 1985	-0.7%
1990	1,793,477	1985 to 1990	-7.4%
1995*	1,828,000	1990 to 1995	1.9%
2000	1,808,344	1995 to 2000	-1.1%
2005*	1,816,856	2000 to 2005	0.5%
2010	1,852,994	2005 to 2010	2.0%
2011*	1,855,364	2010 to 2011	0.1%
2012*	1,855,413	2011 to 2012	0.0%
2013*	1,854,304	2012 to 2013	-0.1%

# West Virginia Population by County, 2012 and 2013

Table 1

County	2012	2013	County	2012	2013
Barbour	16,493	16,770	Monongalia	100,332	102,274
Berkeley	107,098	108,706	Monroe	13,463	13,483
Boone	24,478	24,224	Morgan	17,471	17,498
Braxton	14,468	14,502	Nicholas	26,229	25,965
Brooke	23,853	23,737	Ohio	44,075	43,727
Cabell	96,974	97,133	Pendleton	7,566	7,471
Calhoun	7,607	7,564	Pleasants	7,595	7,577
Clay	9,297	9,244	Pocahontas	8,692	8,669
Doddridge	8,178	8,344	Preston	33,832	33,859
Fayette	45,869	45,599	Putnam	56,435	56,650
Gilmer	8,732	8,672	Raleigh	79,021	78,833
Grant	11,816	11,759	Randolph	29,384	29,415
Greenbrier	35,820	35,644	Ritchie	10,236	10,073
Hampshire	23,709	23,445	Roane	14,684	14,656
Hancock	30,305	30,291	Summers	13,737	13,563
Hardy	13,866	13,920	Taylor	16,991	16,973
Harrison	69,141	68,972	Tucker	6,995	6,968
Jackson	29,234	29,178	Tyler	9,037	8,995
Jefferson	54,504	55,073	Upshur	24,477	24,665
Kanawha	192,179	191,275	Wayne	41,649	41,437
Lewis	16,371	16,452	Webster	9,043	8,893
Lincoln	21,627	21,559	Wetzel	16,422	16,204
Logan	36,168	35,987	Wirt	5,847	5,901
McDowell	21,326	20,876	Wood	86,701	86,569
Marion	56,678	56,868	Wyoming	23,273	23,019
Marshall	32,674	32,459			
Mason	27,179	27,126			
Mercer	62,523	61,984			
Mineral	27,956	27,704			
Mingo	26,103	25,900			
			WV Total	1,855,413	1,854,304

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

West Virginia Population Characteristics, 2010 and 2013  
Distribution by Gender, Age and Race  
Table 2

Characteristic	2010 Census		2013 Estimate	
	Number	Percent	Number	Percent
<u>Total</u>	1,852,994	100.0%	1,854,304	100.0%
<u>Gender</u>				
Male	913,586	49.3%	915,576	49.4%
Female	939,408	50.7%	938,728	50.6%
<u>Age</u>				
Less than 5 Years	104,060	5.6%	102,194	5.5%
5-17 Years	283,358	15.3%	279,484	15.1%
18-44 Years	627,191	33.8%	622,947	33.6%
45-64 Years	540,981	29.2%	529,638	28.6%
65 Years and Older	297,404	16.0%	320,041	17.3%
<u>Race</u>				
White or Caucasian	1,739,988	93.9%	1,740,103	93.8%
Black or African American	63,124	3.4%	66,640	3.6%
Asian, Native Hawaiian and Other Pacific Islander	12,834	0.7%	14,933	0.8%
American Indian, Eskimo, Aleutian Islander and Alaska Native	3,787	0.2%	4,303	0.2%
All Other Races	33,261	1.8%	28,325	1.5%
<u>Hispanic Origin*</u>	22,268	1.2%	24,530	1.3%

\*May be of any race

2010 and 2013 Census Source: <http://www.census.gov>

West Virginia Bureau for Public Health

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Age Group Distribution by County  
West Virginia Population 2010 Census

Table 3

Both Genders:

County	Less Than 1 Year	1-4 Years	5-14 Years	15-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years	Total
Barbour	176	773	1,983	2,225	1,766	2,123	2,473	2,309	1,562	875	324	16,589
Berkeley	1,311	5,930	14,650	12,390	14,133	15,218	15,714	12,965	7,182	3,585	1,091	104,169
Boone	322	1,205	3,168	2,714	2,869	3,427	3,659	3,776	2,018	1,105	366	24,629
Braxton	158	633	1,668	1,645	1,554	1,840	2,222	2,257	1,458	793	295	14,523
Brooke	186	937	2,580	3,125	2,366	2,891	3,578	3,804	2,273	1,670	659	24,069
Cabell	1,175	4,371	10,252	14,964	13,111	11,721	12,844	12,517	8,015	5,326	2,023	96,319
Calhoun	98	315	841	796	845	904	1,201	1,242	769	446	170	7,627
Clay	98	470	1,259	1,059	1,033	1,233	1,412	1,350	817	498	157	9,386
Doddridge	86	305	904	1,080	973	1,031	1,282	1,212	807	405	117	8,202
Fayette	520	2,112	5,210	5,211	5,362	5,831	6,910	7,081	4,090	2,725	987	46,039
Gilmer	69	296	673	1,424	1,431	1,348	1,239	1,020	656	375	162	8,693
Grant	131	503	1,466	1,265	1,218	1,561	1,767	1,837	1,283	660	246	11,937
Greenbrier	355	1,490	4,010	3,957	3,830	4,116	5,400	5,484	3,766	2,225	847	35,480
Hampshire	239	1,042	3,056	2,674	2,551	3,198	3,731	3,575	2,347	1,184	367	23,964
Hancock	275	1,259	3,535	2,979	3,235	3,941	4,901	4,797	2,851	2,102	801	30,676
Hardy	148	645	1,674	1,548	1,544	1,931	2,180	2,026	1,400	717	212	14,025
Harrison	796	3,231	8,328	7,849	8,238	8,950	10,665	9,634	5,945	3,836	1,627	69,099
Jackson	313	1,374	3,607	3,420	3,197	3,771	4,481	3,883	2,870	1,743	552	29,211
Jefferson	593	2,784	7,254	7,299	6,028	7,825	8,450	6,951	3,838	1,810	666	53,498
Kanawha	2,139	8,651	22,151	21,923	23,977	23,747	29,731	28,429	16,847	11,151	4,317	193,063
Lewis	184	757	1,812	1,809	1,824	2,150	2,495	2,413	1,644	927	357	16,372
Lincoln	241	1,069	2,698	2,481	2,531	2,948	3,351	3,116	1,946	1,088	251	21,720
Logan	381	1,478	4,256	3,993	4,518	4,977	5,670	5,895	3,071	1,932	572	36,743
McDowell	230	970	2,399	2,525	2,546	2,783	3,500	3,502	2,026	1,177	455	22,113
Marion	634	2,491	6,128	7,673	6,979	7,204	7,893	7,875	5,020	3,149	1,372	56,418
Marshall	341	1,401	3,808	3,727	3,488	4,120	5,078	5,330	3,079	1,996	739	33,107
Mason	271	1,301	3,322	2,948	3,263	3,388	4,306	3,871	2,636	1,547	471	27,324
Mercer	737	2,825	7,003	7,872	7,031	7,526	8,615	9,442	5,936	3,772	1,505	62,264
Mineral	336	1,185	3,275	3,785	2,913	3,665	4,101	4,059	2,901	1,462	530	28,212
Mingo	313	1,301	3,283	3,061	3,325	3,609	4,197	4,127	2,091	1,183	349	26,839

West Virginia Bureau for Public Health

Health Statistics Center, 2016

Age Group Distribution by County  
West Virginia Population 2010 Census  
Table 3 (Cont'd)

Both Genders:

County	Less Than 1 Year	1-4 Years	5-14 Years	15-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years	Total
Monongalia	875	3,592	8,238	28,273	14,339	10,289	10,912	9,845	5,310	3,233	1,283	96,189
Monroe	133	622	1,573	1,415	1,348	1,661	2,029	2,070	1,512	828	311	13,502
Morgan	158	685	2,079	1,796	1,683	2,365	2,803	2,756	1,882	1,022	312	17,541
Nicholas	310	1,264	2,945	2,957	2,825	3,392	3,986	4,077	2,611	1,388	478	26,233
Ohio	434	1,812	4,684	6,442	4,692	4,913	6,676	6,577	3,873	2,975	1,365	44,443
Pendleton	90	293	806	825	725	855	1,200	1,220	873	578	230	7,695
Pleasants	81	277	874	885	878	1,086	1,237	1,059	706	373	149	7,605
Pocahontas	77	317	880	839	954	1,015	1,478	1,475	970	545	169	8,719
Preston	321	1,477	3,597	3,623	4,624	4,622	5,121	4,878	3,044	1,635	578	33,520
Putnam	611	2,704	7,619	5,792	6,449	7,839	8,760	7,735	4,716	2,488	773	55,486
Raleigh	960	3,805	8,920	8,992	10,082	10,357	11,210	11,872	6,732	4,397	1,532	78,859
Randolph	304	1,204	3,146	3,513	3,374	3,796	4,528	4,294	3,003	1,540	703	29,405
Ritchie	107	463	1,243	1,120	1,092	1,315	1,730	1,582	1,055	517	225	10,449
Roane	139	687	1,877	1,532	1,603	1,905	2,323	2,294	1,494	780	292	14,926
Summers	116	512	1,368	1,373	1,653	1,799	2,213	2,211	1,439	903	340	13,927
Taylor	214	755	1,960	1,810	2,052	2,309	2,612	2,439	1,487	908	349	16,895
Tucker	64	267	757	763	682	887	1,095	1,125	870	468	163	7,141
Tyler	95	378	1,087	976	831	1,212	1,471	1,458	945	574	181	9,208
Upshur	278	1,141	2,681	3,718	2,575	2,925	3,485	3,407	2,322	1,274	448	24,254
Wayne	425	1,988	5,393	5,027	4,816	5,723	6,179	5,916	3,929	2,363	722	42,481
Webster	122	421	1,013	1,039	922	1,187	1,402	1,444	923	474	207	9,154
Wetzel	162	686	1,940	1,872	1,625	2,063	2,562	2,434	1,806	1,087	346	16,583
Wirt	41	262	678	623	586	723	1,031	879	578	234	82	5,717
Wood	990	4,050	10,533	10,010	9,963	11,207	13,400	12,085	8,243	4,693	1,782	86,956
Wyoming	258	1,073	2,917	2,660	2,646	3,072	3,667	3,914	2,053	1,222	314	23,796
WV Total	20,221	83,839	215,061	237,296	220,698	237,494	276,156	264,825	163,520	97,963	35,921	1,852,994

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Age Group Distribution by County  
West Virginia Population 2010 Census  
Table 3 (Cont'd)

Males:

County	Less Than 1 Year	1-4 Years	5-14 Years	15-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years	Total
Barbour	91	413	1,041	1,088	851	1,062	1,228	1,153	774	386	103	8,190
Berkeley	647	2,985	7,439	6,169	7,014	7,554	7,884	6,557	3,464	1,589	401	51,703
Boone	173	615	1,671	1,417	1,402	1,712	1,852	1,835	1,007	437	118	12,239
Braxton	63	337	827	846	815	925	1,166	1,127	747	367	96	7,316
Brooke	86	483	1,319	1,582	1,193	1,452	1,767	1,873	1,052	670	195	11,672
Cabell	623	2,284	5,302	7,393	6,735	5,947	6,326	6,008	3,695	2,065	594	46,972
Calhoun	44	155	423	415	433	462	594	644	387	211	53	3,821
Clay	45	253	611	552	487	613	725	690	422	219	47	4,664
Doddridge	47	142	479	651	556	574	667	625	408	202	40	4,391
Fayette	263	1,088	2,698	2,856	2,755	3,066	3,472	3,618	1,921	1,061	287	23,085
Gilmer	40	145	327	840	1,082	962	755	580	308	160	57	5,256
Grant	66	255	768	627	605	791	882	893	645	311	85	5,928
Greenbrier	175	747	2,061	2,098	1,893	2,010	2,647	2,681	1,772	947	265	17,296
Hampshire	125	532	1,560	1,411	1,296	1,665	1,870	1,802	1,188	551	136	12,136
Hancock	137	639	1,846	1,516	1,558	1,984	2,377	2,386	1,289	867	242	14,841
Hardy	84	337	858	776	797	994	1,122	1,009	701	322	78	7,078
Harrison	422	1,688	4,239	3,969	4,110	4,422	5,303	4,688	2,756	1,540	511	33,648
Jackson	174	709	1,891	1,782	1,625	1,835	2,218	1,888	1,342	778	183	14,425
Jefferson	318	1,418	3,657	3,677	2,938	3,844	4,225	3,459	1,868	822	218	26,444
Kanawha	1,037	4,461	11,269	11,118	11,872	11,755	14,324	13,569	7,653	4,282	1,385	92,725
Lewis	106	383	927	933	919	1,076	1,226	1,187	780	415	116	8,068
Lincoln	128	556	1,400	1,231	1,253	1,494	1,647	1,561	967	491	75	10,803
Logan	213	747	2,150	2,070	2,294	2,539	2,765	2,955	1,417	761	187	18,098
McDowell	115	479	1,253	1,300	1,337	1,433	1,682	1,789	954	449	146	10,937
Marion	326	1,279	3,128	3,902	3,518	3,614	3,885	3,897	2,302	1,258	437	27,546
Marshall	158	704	1,900	1,941	1,755	2,097	2,485	2,612	1,425	812	265	16,154
Mason	140	646	1,723	1,522	1,450	1,643	2,071	1,899	1,244	639	154	13,131
Mercer	387	1,452	3,525	3,939	3,404	3,716	4,131	4,489	2,792	1,505	414	29,754
Mineral	182	650	1,713	1,973	1,447	1,849	1,964	1,969	1,424	632	183	13,986
Mingo	153	647	1,689	1,550	1,620	1,815	2,046	2,027	1,015	468	130	13,160

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Age Group Distribution by County  
West Virginia Population 2010 Census  
Table 3 (Cont'd)

Males:

County	Less Than 1 Year	1-4 Years	5-14 Years	15-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years	Total
Monongalia	432	1,856	4,174	15,210	7,861	5,475	5,472	4,928	2,520	1,297	375	49,600
Monroe	62	352	802	710	664	843	1,019	988	763	360	117	6,680
Morgan	76	363	1,059	922	825	1,218	1,411	1,363	926	460	126	8,749
Nicholas	150	676	1,543	1,477	1,422	1,634	1,971	2,011	1,286	601	143	12,914
Ohio	207	945	2,375	3,133	2,425	2,391	3,238	3,201	1,768	1,084	398	21,165
Pendleton	49	154	407	458	383	435	601	614	424	272	100	3,897
Pleasants	49	148	478	497	506	595	678	546	385	150	47	4,079
Pocahontas	30	155	454	442	538	516	779	758	518	231	52	4,473
Preston	181	765	1,839	1,880	2,585	2,491	2,692	2,463	1,504	722	176	17,298
Putnam	299	1,381	3,866	3,038	3,093	3,881	4,267	3,815	2,294	1,045	270	27,249
Raleigh	479	1,931	4,566	4,628	5,406	5,493	5,591	5,894	3,194	1,760	445	39,387
Randolph	155	611	1,617	1,871	1,949	2,033	2,335	2,189	1,514	646	228	15,148
Ritchie	59	237	650	581	535	650	903	777	533	229	68	5,222
Roane	73	342	970	803	787	932	1,132	1,204	748	316	77	7,384
Summers	55	257	683	634	662	741	936	1,106	677	372	127	6,250
Taylor	103	402	1,017	956	1,092	1,194	1,373	1,232	700	375	105	8,549
Tucker	34	135	395	409	324	453	546	563	443	228	49	3,579
Tyler	51	185	523	497	412	616	712	755	464	230	68	4,513
Upshur	137	582	1,343	1,839	1,318	1,461	1,717	1,731	1,117	533	166	11,944
Wayne	196	1,037	2,754	2,563	2,359	2,786	3,017	2,882	1,899	1,030	221	20,744
Webster	60	216	528	528	447	588	693	719	478	201	73	4,531
Wetzel	84	364	1,007	950	805	1,031	1,266	1,208	823	499	102	8,139
Wirt	21	140	354	307	284	339	516	457	309	114	27	2,868
Wood	497	2,035	5,386	4,950	4,881	5,563	6,551	5,771	3,865	1,891	557	41,947
Wyoming	138	557	1,489	1,357	1,317	1,565	1,791	1,982	1,025	491	98	11,810
WV Total	10,245	43,055	109,973	121,784	111,894	119,829	136,513	130,627	77,896	40,354	11,416	913,586

Age Group Distribution by County  
West Virginia Population 2010 Census  
Table 3 (Cont'd)

Females:

County	Less Than 1 Year	1-4 Years	5-14 Years	15-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years	Total
Barbour	85	360	942	1,137	915	1,061	1,245	1,156	788	489	221	8,399
Berkeley	664	2,945	7,211	6,221	7,119	7,664	7,830	6,408	3,718	1,996	690	52,466
Boone	149	590	1,497	1,297	1,467	1,715	1,807	1,941	1,011	668	248	12,390
Braxton	95	296	841	799	739	915	1,056	1,130	711	426	199	7,207
Brooke	100	454	1,261	1,543	1,173	1,439	1,811	1,931	1,221	1,000	464	12,397
Cabell	552	2,087	4,950	7,571	6,376	5,774	6,518	6,509	4,320	3,261	1,429	49,347
Calhoun	54	160	418	381	412	442	607	598	382	235	117	3,806
Clay	53	217	648	507	546	620	687	660	395	279	110	4,722
Doddridge	39	163	425	429	417	457	615	587	399	203	77	3,811
Fayette	257	1,024	2,512	2,355	2,607	2,765	3,438	3,463	2,169	1,664	700	22,954
Gilmer	29	151	346	584	349	386	484	440	348	215	105	3,437
Grant	65	248	698	638	613	770	885	944	638	349	161	6,009
Greenbrier	180	743	1,949	1,859	1,937	2,106	2,753	2,803	1,994	1,278	582	18,184
Hampshire	114	510	1,496	1,263	1,255	1,533	1,861	1,773	1,159	633	231	11,828
Hancock	138	620	1,689	1,463	1,677	1,957	2,524	2,411	1,562	1,235	559	15,835
Hardy	64	308	816	772	747	937	1,058	1,017	699	395	134	6,947
Harrison	374	1,543	4,089	3,880	4,128	4,528	5,362	4,946	3,189	2,296	1,116	35,451
Jackson	139	665	1,716	1,638	1,572	1,936	2,263	1,995	1,528	965	369	14,786
Jefferson	275	1,366	3,597	3,622	3,090	3,981	4,225	3,492	1,970	988	448	27,054
Kanawha	1,102	4,190	10,882	10,805	12,105	11,992	15,407	14,860	9,194	6,869	2,932	100,338
Lewis	78	374	885	876	905	1,074	1,269	1,226	864	512	241	8,304
Lincoln	113	513	1,298	1,250	1,278	1,454	1,704	1,555	979	597	176	10,917
Logan	168	731	2,106	1,923	2,224	2,438	2,905	2,940	1,654	1,171	385	18,645
McDowell	115	491	1,146	1,225	1,209	1,350	1,818	1,713	1,072	728	309	11,176
Marion	308	1,212	3,000	3,771	3,461	3,590	4,008	3,978	2,718	1,891	935	28,872
Marshall	183	697	1,908	1,786	1,733	2,023	2,593	2,718	1,654	1,184	474	16,953
Mason	131	655	1,599	1,426	1,813	1,745	2,235	1,972	1,392	908	317	14,193
Mercer	350	1,373	3,478	3,933	3,627	3,810	4,484	4,953	3,144	2,267	1,091	32,510
Mineral	154	535	1,562	1,812	1,466	1,816	2,137	2,090	1,477	830	347	14,226
Mingo	160	654	1,594	1,511	1,705	1,794	2,151	2,100	1,076	715	219	13,679

Age Group Distribution by County  
West Virginia Population 2010 Census  
Table 3 (Cont'd)

Females:

County	Less Than 1 Year	1-4 Years	5-14 Years	15-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years	Total
Monongalia	443	1,736	4,064	13,063	6,478	4,814	5,440	4,917	2,790	1,936	908	46,589
Monroe	71	270	771	705	684	818	1,010	1,082	749	468	194	6,822
Morgan	82	322	1,020	874	858	1,147	1,392	1,393	956	562	186	8,792
Nicholas	160	588	1,402	1,480	1,403	1,758	2,015	2,066	1,325	787	335	13,319
Ohio	227	867	2,309	3,309	2,267	2,522	3,438	3,376	2,105	1,891	967	23,278
Pendleton	41	139	399	367	342	420	599	606	449	306	130	3,798
Pleasants	32	129	396	388	372	491	559	513	321	223	102	3,526
Pocahontas	47	162	426	397	416	499	699	717	452	314	117	4,246
Preston	140	712	1,758	1,743	2,039	2,131	2,429	2,415	1,540	913	402	16,222
Putnam	312	1,323	3,753	2,754	3,356	3,958	4,493	3,920	2,422	1,443	503	28,237
Raleigh	481	1,874	4,354	4,364	4,676	4,864	5,619	5,978	3,538	2,637	1,087	39,472
Randolph	149	593	1,529	1,642	1,425	1,763	2,193	2,105	1,489	894	475	14,257
Ritchie	48	226	593	539	557	665	827	805	522	288	157	5,227
Roane	66	345	907	729	816	973	1,191	1,090	746	464	215	7,542
Summers	61	255	685	739	991	1,058	1,277	1,105	762	531	213	7,677
Taylor	111	353	943	854	960	1,115	1,239	1,207	787	533	244	8,346
Tucker	30	132	362	354	358	434	549	562	427	240	114	3,562
Tyler	44	193	564	479	419	596	759	703	481	344	113	4,695
Upshur	141	559	1,338	1,879	1,257	1,464	1,768	1,676	1,205	741	282	12,310
Wayne	229	951	2,639	2,464	2,457	2,937	3,162	3,034	2,030	1,333	501	21,737
Webster	62	205	485	511	475	599	709	725	445	273	134	4,623
Wetzel	78	322	933	922	820	1,032	1,296	1,226	983	588	244	8,444
Wirt	20	122	324	316	302	384	515	422	269	120	55	2,849
Wood	493	2,015	5,147	5,060	5,082	5,644	6,849	6,314	4,378	2,802	1,225	45,009
Wyoming	120	516	1,428	1,303	1,329	1,507	1,876	1,932	1,028	731	216	11,986
WV Total	9,976	40,784	105,088	115,512	108,804	117,665	139,643	134,198	85,624	57,609	24,505	939,408

West Virginia Bureau for Public Health

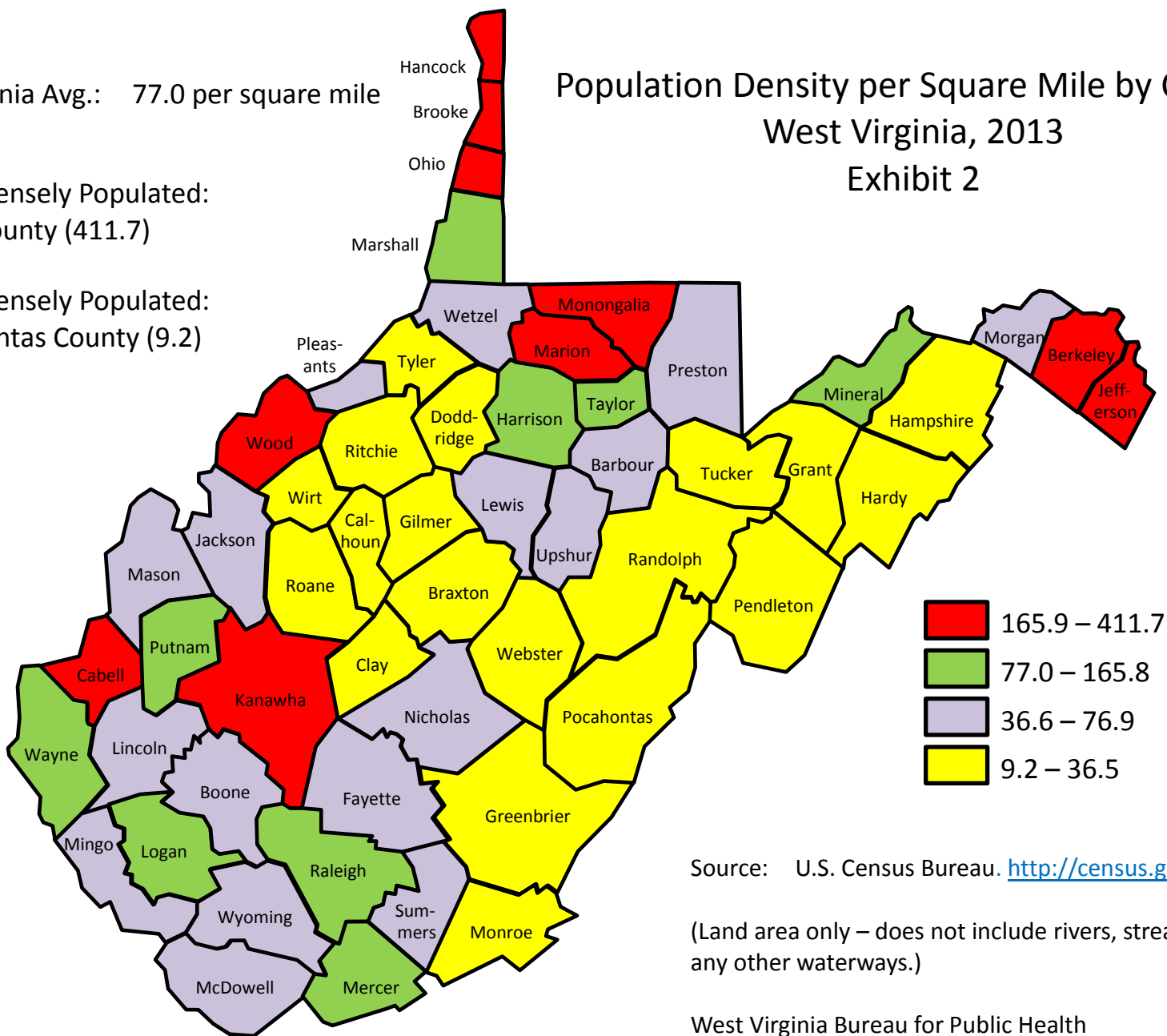
Health Statistics Center, 2016

West Virginia Avg.: 77.0 per square mile

Most Densely Populated:  
Ohio County (411.7)

Least Densely Populated:  
Pocahontas County (9.2)

## Population Density per Square Mile by County West Virginia, 2013 Exhibit 2



Source: U.S. Census Bureau. <http://census.gov/>

(Land area only – does not include rivers, streams, or any other waterways.)

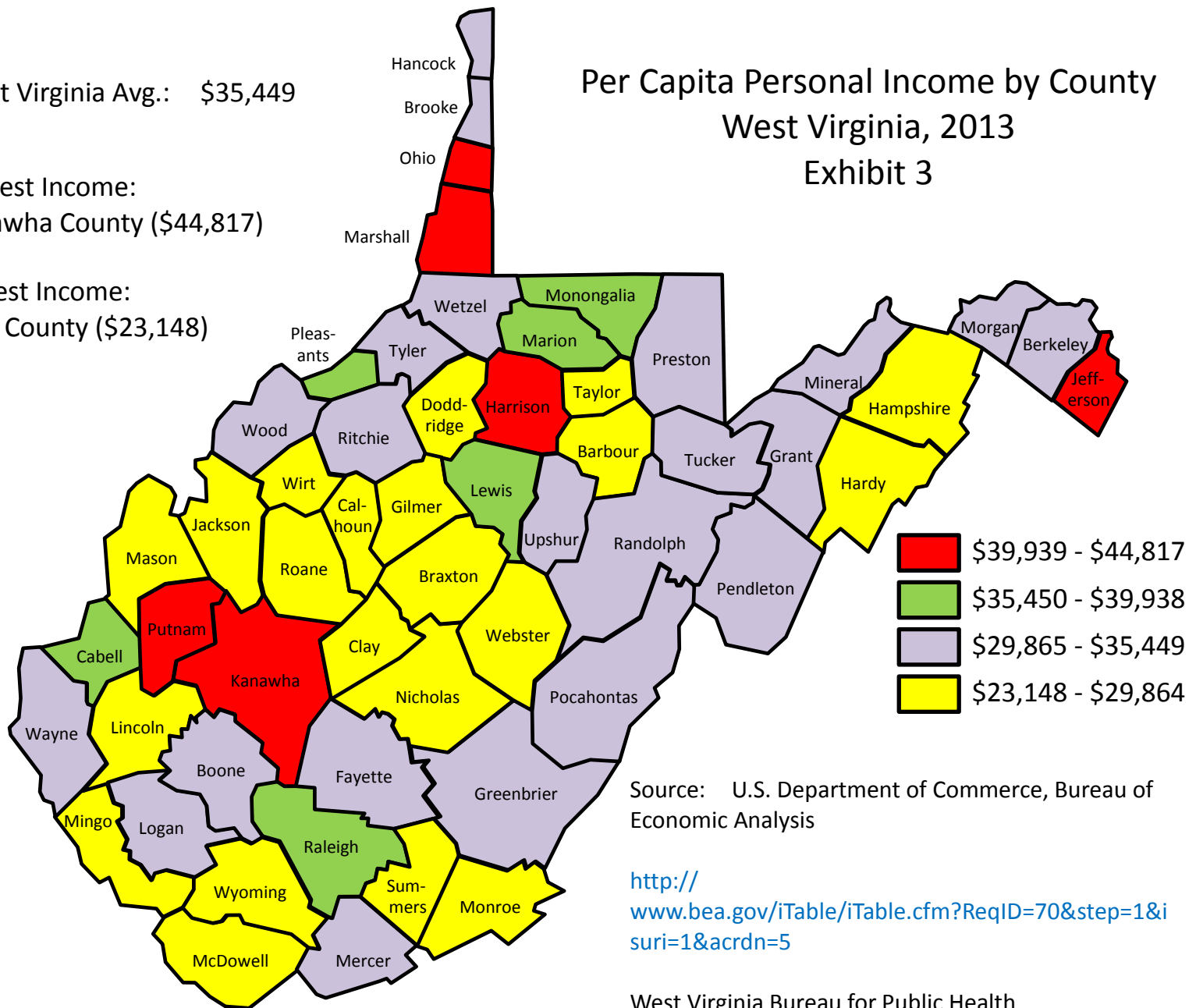
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

West Virginia Avg.: \$35,449

Highest Income:  
Kanawha County (\$44,817)

Lowest Income:  
Wirt County (\$23,148)

## Per Capita Personal Income by County West Virginia, 2013 Exhibit 3



West Virginia Bureau for Public Health  
Health Statistics Center, 2016

**Births, Deaths, Natural Increase or Decrease and Net Migration  
West Virginia Population, 1970-2013**

**Table 4**

Year	Population	Number of Births	Number of Deaths	Natural Increase or Decrease	Net Migration (+ or -)	Percent Change (%)
1970 - a	1,744,237	30,194	19,924	10,270	(12,033)	-0.10%
1971	1,768,000	31,038	19,619	11,419	12,344	1.36%
1972	1,795,000	29,200	20,583	8,617	18,383	1.53%
1973	1,782,000	27,459	20,020	7,439	(20,439)	-0.72%
1974	1,784,000	27,636	19,395	8,241	(6,241)	0.11%
1975	1,803,000	27,960	19,479	8,481	10,519	1.07%
1976	1,833,000	28,586	19,660	8,926	21,074	1.66%
1977	1,853,000	30,020	19,201	10,819	9,181	1.09%
1978	1,860,000	28,950	19,351	9,599	(2,599)	0.38%
1979 - b	1,878,000	29,726	18,871	10,855	7,145	0.97%
1980 - a	1,949,644	29,438	19,718	9,720	61,924	3.81%
1981	1,954,000	27,810	19,039	8,771	(4,415)	0.22%
1982	1,957,000	27,263	18,796	8,467	(5,467)	0.15%
1983	1,965,000	25,875	19,293	6,582	1,418	0.41%
1984	1,952,000	24,551	19,182	5,369	(18,369)	-0.66%
1985	1,936,000	24,108	19,425	4,683	(20,683)	-0.82%
1986	1,919,000	23,179	19,858	3,321	(20,321)	-0.88%
1987	1,898,000	22,424	19,763	2,661	(23,661)	-1.09%
1988	1,877,000	21,849	19,780	2,069	(23,069)	-1.11%
1989 - b	1,857,000	22,067	19,525	2,542	(22,542)	-1.07%
1990 - a	1,793,477	22,582	19,360	3,222	(66,745)	-3.42%
1991	1,799,000	22,509	19,951	2,558	2,965	0.31%
1992	1,809,000	22,156	19,696	2,460	7,540	0.56%
1993	1,818,000	21,793	20,331	1,462	7,538	0.50%
1994	1,823,000	21,360	19,945	1,415	3,585	0.28%
1995	1,828,000	21,158	20,128	1,030	3,970	0.27%
1996	1,826,000	20,744	20,314	430	(2,430)	-0.11%
1997	1,816,000	20,735	20,872	(137)	(9,863)	-0.55%
1998	1,811,000	20,729	20,764	(35)	(4,965)	-0.28%
1999 - c	1,807,000	20,731	20,993	(262)	(3,738)	-0.22%
2000 - a	1,808,344	20,860	21,127	(267)	1,611	0.07%
2001	1,801,916	20,430	20,978	(548)	(5,880)	-0.36%
2002	1,801,873	20,725	20,999	(274)	231	0.00%
2003	1,810,354	20,986	21,299	(313)	8,794	0.47%
2004	1,815,354	20,911	20,776	135	4,865	0.28%
2005	1,816,856	20,834	20,773	61	1,441	0.08%
2006	1,818,470	20,931	20,649	282	1,332	0.09%
2007	1,812,035	22,017	21,067	950	(7,385)	-0.35%
2008	1,814,468	21,493	21,551	(58)	2,491	0.13%
2009 - d	1,819,777	21,275	21,385	(110)	5,419	0.29%
2010 - a	1,852,994	20,471	21,278	(807)	34,024	1.83%
2011 - e	1,855,364	20,705	21,870	(1,165)	3,535	0.13%
2012 - f	1,855,413	20,813	21,586	(773)	822	0.00%
2013 - g	1,854,304	20,829	21,846	(1,017)	(43)	-0.06%

a. Population enumerated as of April 1 of the specified year. (U.S. Department of Commerce, Bureau of the Census)

b. Source of population data 1971 through 1979 and 1981 through 1989: U.S. Department of Commerce, Bureau of the Census, Current Population Reports. Series P-25 and P-26.

c. Source of population data 1991 through 1999: Regional Research Institute, WVU and U.S. Bureau of the Census.

d. Source of population data 2001 through 2009: [http://www.census.gov/popest/counties/CO-EST2009-popchg2000\\_2009.html](http://www.census.gov/popest/counties/CO-EST2009-popchg2000_2009.html)

e. Source of population data 2011: [http://www.census.gov/popest/counties/CO-EST2011-popchg2010\\_2011.html](http://www.census.gov/popest/counties/CO-EST2011-popchg2010_2011.html)

f. Source of population data 2012: [http://www.census.gov/popest/counties/CO-EST2012-popchg2010\\_2012.html](http://www.census.gov/popest/counties/CO-EST2012-popchg2010_2012.html)

g. Source of population data 2013: [http://www.census.gov/popest/counties/CO-EST2013-popchg2010\\_2013.html](http://www.census.gov/popest/counties/CO-EST2013-popchg2010_2013.html)

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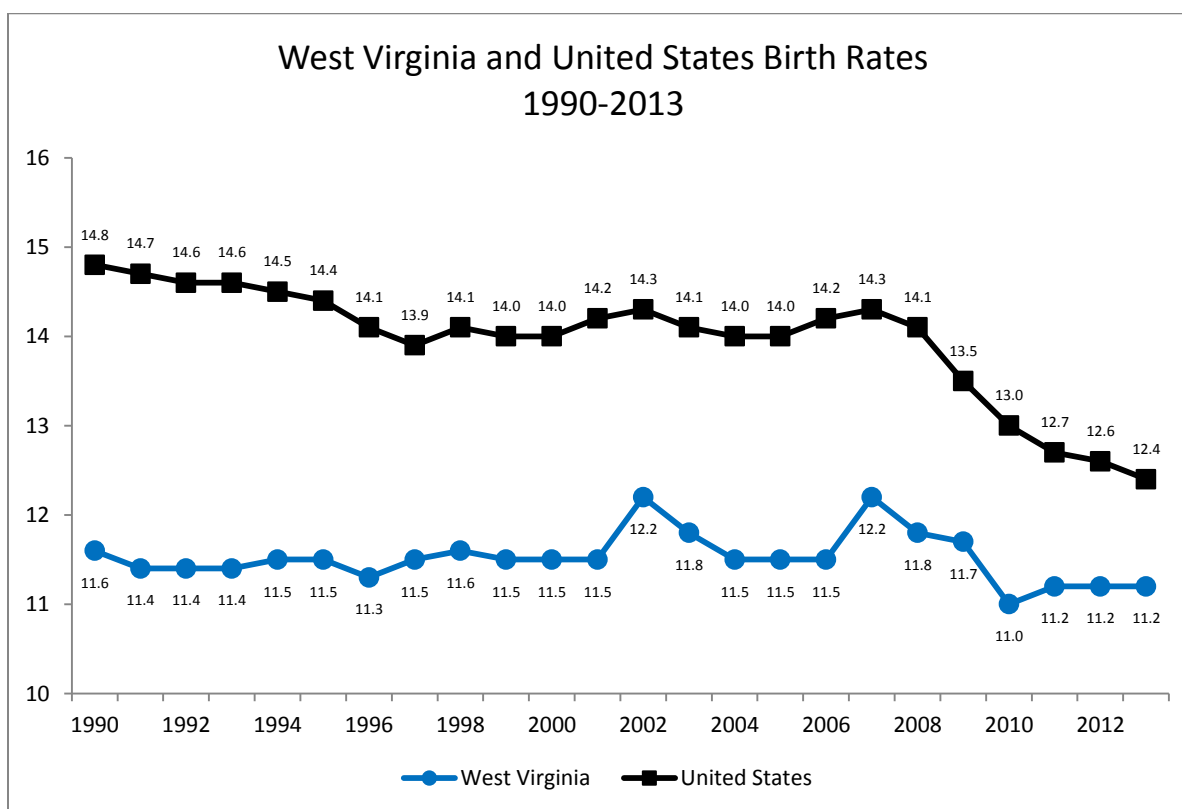
# West Virginia Vital Statistics

## **Births**



## Birth Summary

West Virginia's resident live births increased by 16 or 0.1%, from 20,813 in 2012 to 20,829 in 2013. The 2013 birth rate remained the same as 2012 at 11.2 per 1,000 population. The U.S. 2013 birth rate was 12.4 live births per 1,000 population, decreasing 0.2% from the 2012 rate of 12.6. As the graph below shows, West Virginia's birth rate has been well below the national rate since 1991. It continued its overall decline until 1996 and remained relatively stable from 1996 to 2006 and 2008 with a slight increase in 2007.



The 2013 U.S. fertility rate of 62.4 live births per 1,000 women aged 15-44 was lower (2.7%) than the 2012 rate (64.1). West Virginia's fertility rate increased 1.3%, from 60.7 in 2012 to 61.5 in 2013. A comparison of West Virginia and U.S. age-specific fertility rates is displayed below:

Fertility Rates* by Age Group West Virginia and United States, 2013					
15-19		20-44		Total (15-44)	
WV	U.S.**	WV	U.S.**	WV	U.S.**
39.6	26.4	65.3	69.2	61.5	62.4

\* All fertility rates were calculated using 2010 Census, U.S. Department of Commerce, Bureau of the Census.

\*\*National Center for Health Statistics, [http://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64\\_01.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64_01.pdf)

The fertility rate among women aged 15-19 in West Virginia was 50.0% higher than that among young women in the U.S. (39.6 vs. 26.4). The fertility rate among women aged 20-44 was lower by 5.6% in the state than in the nation (65.3 vs. 69.2).

The number of births to teen mothers (ages 10-19) decreased by 239 (9.9%), from 2,412 in 2012 to 2,173 in 2013. The percentage of total births represented by teen births was lower in 2013 than 2012 (10.4% vs. 11.6%). The lower fertility rate among older women, however, resulted in teenage births continuing to constitute a higher proportion of total births than was found nationally (7.0% in 2012).

The percentage of births occurring out of wedlock has risen every year for quite some time. More than two of every five (45.1%) West Virginia resident births were to unwed mothers, compared to 44.7% in 2012. The percentages of white and black births that occurred out of wedlock in West Virginia in 2013 were 44.2% and 76.0%, respectively, compared to 43.6% and 75.0% in 2012. In the U.S. in 2013, 29.3% of births to white mothers (non-Hispanic) and 71.5% of births to black mothers (non-Hispanic) occurred out of wedlock. The percentage of teen births to unmarried teen mothers in the state increased from 82.9% in 2012 to 83.2% in 2013.

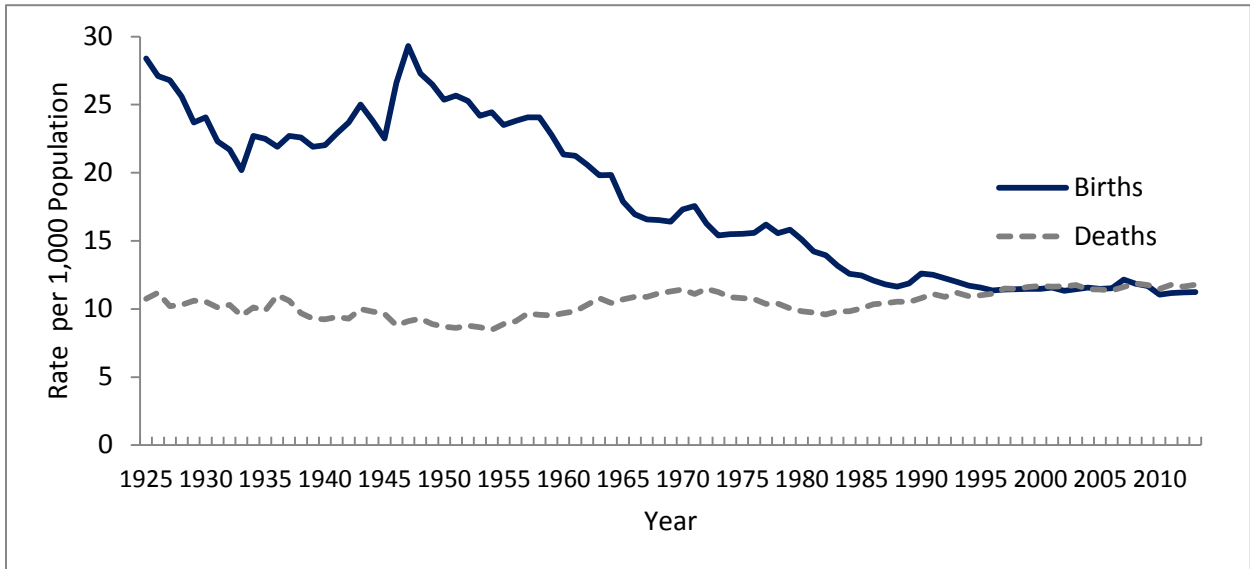
There was a total of 1,961 low birthweight babies (those weighing less than 2,500 grams or 5½ pounds) born to West Virginia residents in 2013, 9.4% of all births. Of the 1,961 low birthweight infants, 1,269 or 64.9% were preterm babies born before 37 weeks of gestation. (Of all 2013 resident births with a known gestational age, 10.5% were preterm babies.) In 2013, 9.2% of babies born to white mothers and 15.3% of babies born to black mothers were low birthweight. Nationally, 8.0% of all infants weighed less than 2,500 grams at birth in 2013; 7.0% of births to white mothers (non-Hispanic) and 13.1% of births to black mothers (non-Hispanic) were of low birthweight.

In 2013, 81.5% of West Virginia mothers with known prenatal care began their care during the first trimester of pregnancy, compared with 83.2% of mothers nationwide in 2006 (the latest reliable data available). Among those with known prenatal care, 81.9% of white mothers began care during the first trimester; 72.6% of black mothers did so. (U.S. figures show that 88.1% of white mothers and 76.1% of black mothers had first trimester care.) No prenatal care was received by 0.6% of white mothers and 1.0% of black mothers.

More than one-fourth (25.6%) of the births in 2013 were to mothers who smoked during their pregnancies, while 0.4% of births were to women who reported using alcohol. National figures from 2013 show that 8.5% of women giving birth reported smoking during pregnancy; 0.8% used alcohol in 2004 (the latest data available). Among the state mothers who reported smoking during pregnancy, 15.0% of the babies born were low birthweight, compared with 7.5% among non-smoking mothers. Over one-third (36.2%) of 2013 state births were delivered by Cesarean section, compared with a national rate of 32.7%. One or more complications of labor and/or delivery were reported for 32.1% of deliveries in the state in 2012.

The statistics presented in this publication refer to resident data unless otherwise indicated. A resident birth is determined by the residence of the mother when she gives birth, i.e., if she lives in West Virginia. An occurrence birth is determined by where the mother gives birth. If a mother lives in West Virginia but gives birth in Tennessee, that is defined as a West Virginia resident birth and will be included as part of West Virginia's resident statistics; however, it is considered a Tennessee occurrence.

Number and Rate of Resident Births (Compared to Deaths)  
West Virginia, 1925-2013  
Exhibit 4



Year	Births		Deaths	
	Number of Live Births	Rate per 1,000 Population	Number of Deaths	Rate per 1,000 Population
1925	45,240	28.4	17,132	10.8
1930	41,614	24.1	18,220	10.5
1935	41,775	22.5	18,342	9.9
1940	41,900	22.0	17,577	9.2
1945	38,446	22.5	16,464	9.6
1950	50,850	25.4	17,459	8.7
1955	44,199	23.5	16,712	8.9
1960	39,696	21.3	18,040	9.7
1965	31,958	17.9	19,121	10.7
1970	30,194	17.3	19,924	11.4
1975	27,960	15.5	19,479	10.8
1980	29,438	15.1	19,178	9.8
1985	24,108	12.5	19,425	10.0
1990	22,582	12.6	19,360	10.8
1995	21,158	11.6	20,128	11.0
2000	20,860	11.5	21,127	11.7
2005	20,834	11.5	20,773	11.4
2010	20,471	11.0	21,278	11.5
2011	20,705	11.2	21,870	11.8
2012	20,813	11.2	21,586	11.6
2013	20,829	11.2	21,846	11.8

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Summary Totals  
West Virginia Resident Births, 2013  
Table 5

Characteristic	Number	Percent	Characteristic	Number	Percent
Total	20,829	100.0%	Mother's Marital Status		
Gender			White or Caucasian	10,990	55.8%
Male	10,615	51.0%	Married	8,712	44.2%
Female	10,214	49.0%	Not Married		
Unknown	0		Unknown	16	
Race of Mother			Black or African American		
White or Caucasian	19,718	94.8%	Married	176	24.0%
Black or African American	733	3.5%	Not Married	556	76.0%
All Other Races	356	1.7%	Unknown	1	
Unknown	22		All Other Races		
Attendant at Birth			Married	255	71.8%
Physician	18,084	86.9%	Not Married	100	28.2%
Certified Nurse Midwife	2,495	12.0%	Unknown	1	
Certified Professional Midwife	25	0.1%	Unknown		
Lay Midwife	54	0.3%	Married	11	52.4%
EMT/Paramedic	14	0.1%	Not Married	10	47.6%
Other	130	0.6%	Unknown	1	
Unknown	27		Method of Delivery		
Place of Birth			Vaginal	13,154	63.2%
Hospital	20,655	99.2%	Vaginal after Previous Cesarean Section	140	0.7%
Home	114	0.5%	Cesarean Section	7,534	36.2%
Freestanding Birthing Center	28	0.1%	Primary	4,093	19.7%
En Route to Hospital	17	0.1%	Repeat	3,441	16.5%
Clinic or Center	1	0.0%	One or More Reported Factors		
Other Specified Address (Not Home)	10	0.0%	Medical Risk Factors	8,861	42.6%
Unknown	4		Complications of Labor and/or Delivery	6,684	32.1%
Mother's Smoking Status			Congenital Malformations	266	1.3%
Smoked During Pregnancy	5,320	25.6%	Abnormal Conditions of the Newborn	1,863	9.0%

Percentages are calculated excluding unknown.  
West Virginia Bureau for Public Health  
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Birthweight by Age of Mother  
West Virginia Resident Births, 2013  
Table 6

Birthweight	Age of Mother										Total
	10-14 Years	15-17 Years	18-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45 and Over	Unknown	
Less than 1,000 Grams (Less than 2.205 lbs.)	0	5	19	36	38	22	8	8	1	0	137
1,000 - 1,499 Grams (2.205 - 3.305 lbs.)	0	3	12	35	32	24	11	2	3	0	122
1,500 - 1,999 Grams (3.307 - 4.407 lbs.)	0	6	23	105	107	80	37	4	2	0	364
2,000 - 2,499 Grams (4.409 - 5.509 lbs.)	2	39	125	407	349	256	115	28	17	0	1,338
2,500 - 2,999 Grams (5.512 - 6.612 lbs.)	9	122	352	1,363	1,102	736	297	58	29	2	4,070
3,000 - 3,499 Grams (6.614 - 7.714 lbs.)	8	211	628	2,615	2,292	1,524	570	91	14	0	7,953
3,500 - 3,999 Grams (7.716 - 8.816 lbs.)	1	120	371	1,573	1,537	1,139	396	76	6	2	5,221
4,000 - 4,499 Grams (8.819 - 9.919 lbs.)	1	30	72	332	405	358	118	20	4	0	1,340
4,500 or more Grams (9.921 or more lbs.)	0	3	6	52	85	64	29	2	1	0	242
Unknown	0	1	4	13	9	8	6	0	1	0	42
Total	21	540	1,612	6,531	5,956	4,211	1,587	289	78	4	20,829

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Health Statistics Center, 2016

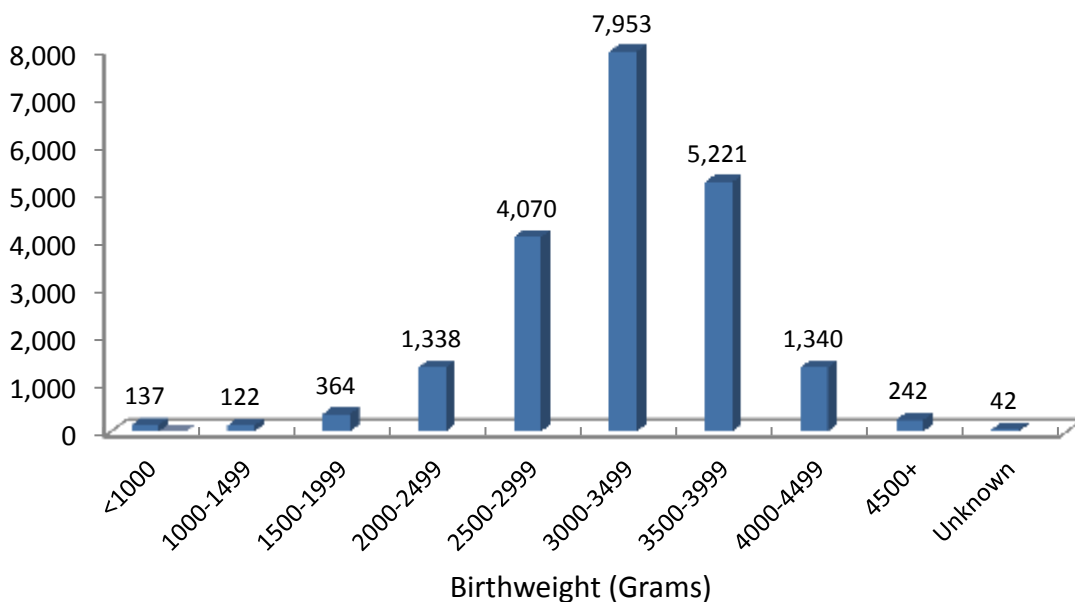
Selected Factors by Birthweight of Infant  
West Virginia Resident Births, 2013

Table 7

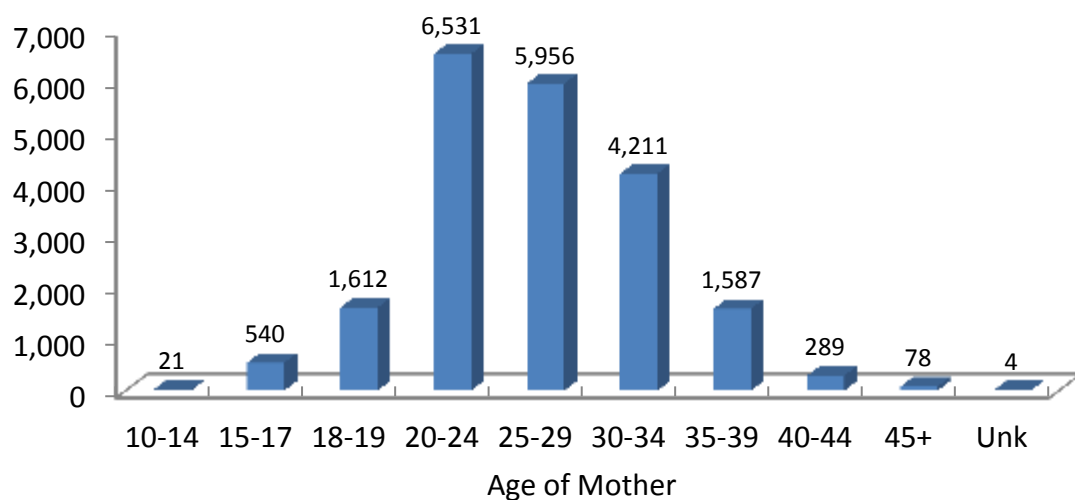
Factor	Very Low Birthweight <1,500 Grams		Moderately Low Birthweight 1,500-2,499 Grams		Normal Birthweight 2,500+ Grams		Unknown Birthweight	Total
	Number	Percent	Number	Percent	Number	Percent	Number	Number
Total Births	259	1.2%	1,702	8.2%	18,826	90.6%	42	20,829
Maternal Age								
< 20 Years	39	1.8%	195	9.0%	1,934	89.2%	5	2,173
< 15 Years	0	0.0%	2	9.5%	19	90.5%	0	21
Maternal Race								
White or Caucasian	234	1.2%	1,587	8.1%	17,869	90.8%	28	19,718
Black or African American	19	2.6%	93	12.7%	620	84.7%	1	733
All Other Races	5	1.4%	22	6.3%	324	92.3%	5	356
Unknown	1	7.1%	0	0.0%	13	92.9%	8	22
Entry Into Prenatal Care								
First Trimester	198	1.2%	1,272	7.6%	15,246	91.2%	13	16,729
Second Trimester	45	1.5%	297	9.7%	2,717	88.8%	2	3,061
Third Trimester	3	0.5%	68	11.2%	535	88.3%	1	607
No Prenatal Care	4	3.1%	24	18.3%	103	78.6%	1	132
Unknown	9	3.3%	41	14.9%	225	81.8%	25	300
Gestational Age								
< 32 Weeks	229	75.6%	72	23.8%	2	0.7%	3	306
32-36 Weeks	28	1.5%	940	50.0%	913	48.5%	2	1,883
37-38 Weeks	0	0.0%	530	9.5%	5,032	90.5%	6	5,568
39+ Weeks	2	0.0%	160	1.2%	12,868	98.8%	8	13,038
Unknown	0	0.0%	0	0.0%	11	100.0%	23	34
Mother's Education Level								
8 Years or Less	4	1.4%	38	13.8%	234	84.8%	1	277
9-11 Years (No High School Diploma)	40	1.4%	311	11.1%	2,454	87.5%	6	2,811
12 Years (High School or GED)	101	1.3%	622	8.3%	6,771	90.4%	9	7,503
13-15 Years (Some College or Associate's Degree)	52	1.1%	349	7.3%	4,400	91.6%	6	4,807
16+ Years (Bachelor's Degree or Higher)	51	1.0%	313	6.2%	4,692	92.8%	5	5,061
Unknown	11	3.1%	69	19.4%	275	77.5%	15	370
Mother's Marital Status								
Married	125	1.1%	793	6.9%	10,494	92.0%	20	11,432
Not Married	133	1.4%	905	9.7%	8,323	88.9%	17	9,378
Unknown	1	7.1%	4	28.6%	9	64.3%	5	19

Percentages are calculated excluding unknown birthweight  
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**Birthweight in Grams\***  
**West Virginia Resident Births, 2013**  
**Exhibit 5**



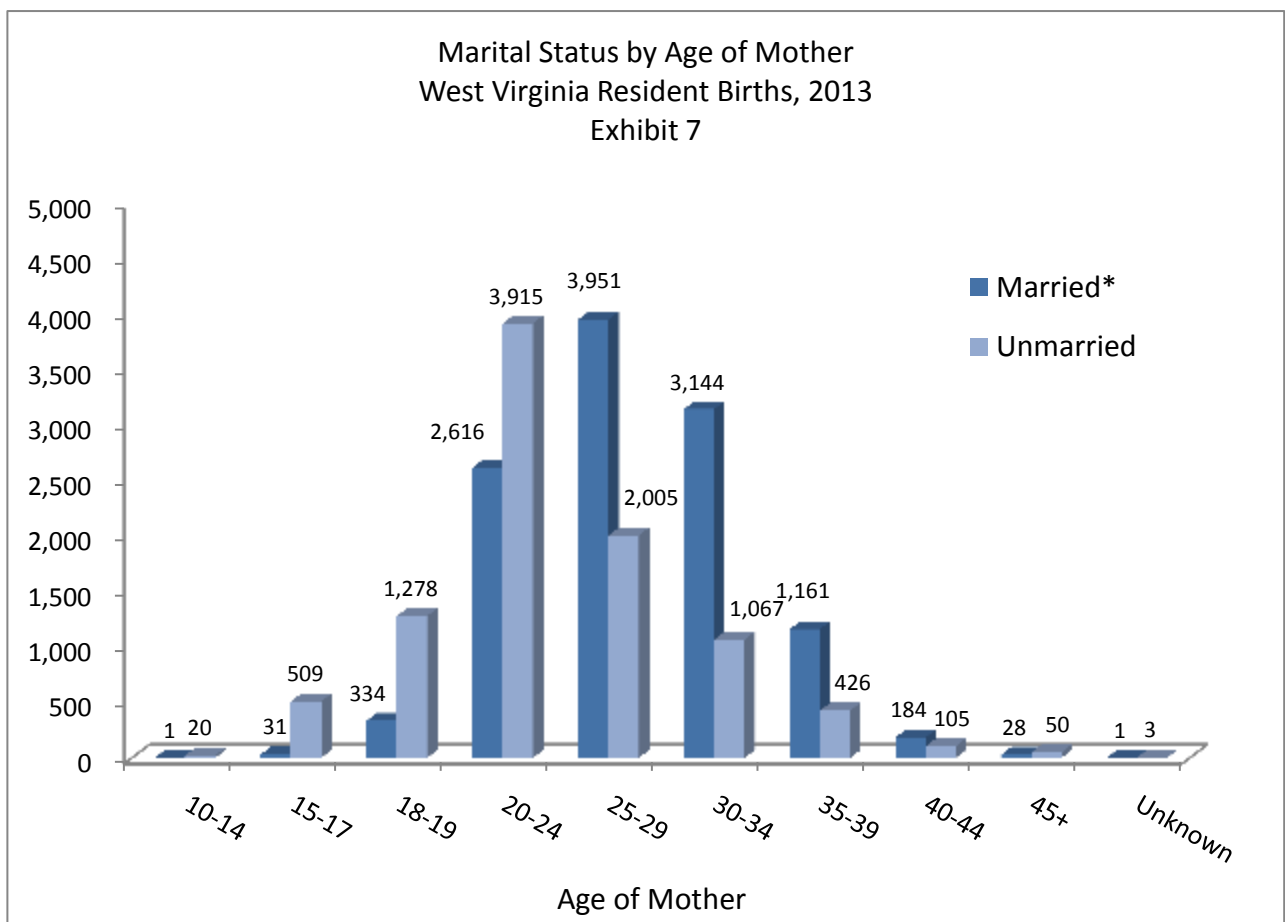
**Age of Mother**  
**West Virginia Resident Births, 2013**  
**Exhibit 6**



\*See Appendix C, page 175 for grams/pounds conversion.  
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**Marital Status by Age of Mother**  
**West Virginia Resident Births, 2009-2013**  
**Table 8**

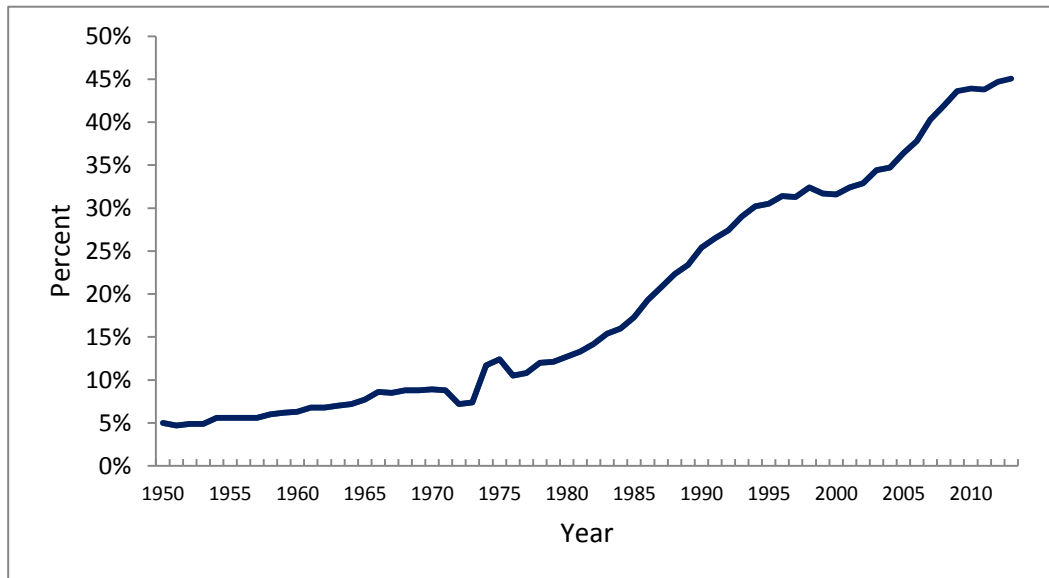
Age of Mother	2009		2010		2011		2012		2013	
	Married*	Un-married	Married*	Un-married	Married*	Un-married	Married*	Un-married	Married*	Un-married
10-14	1	21	0	21	0	27	0	24	1	20
15-17	77	733	59	631	44	621	58	584	31	509
18-19	457	1,561	382	1,523	357	1,413	354	1,392	334	1,278
20-24	2,834	3,730	2,631	3,637	2,676	3,659	2,585	3,723	2,616	3,915
25-29	4,121	1,941	3,982	1,836	4,034	1,934	3,961	2,035	3,951	2,005
30-34	3,034	840	2,986	845	3,123	915	3,141	1,014	3,144	1,067
35-39	1,252	313	1,173	358	1,149	336	1,168	388	1,161	426
40-44	214	84	263	101	245	112	220	92	184	105
45+	23	37	25	16	16	42	26	47	28	50
Unknown	2	0	0	2	2	0	0	1	1	3
WV Total	12,015	9,260	11,501	8,970	11,646	9,059	11,513	9,300	11,451	9,378



\*Includes unknown marital status: 2009 – 33; 2010 – 28; 2011 – 14; 2012 – 15; 2013 – 19  
 West Virginia Bureau for Public Health  
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Percent of Births to Unmarried Mothers  
West Virginia Residents, 1950-2013

Exhibit 8



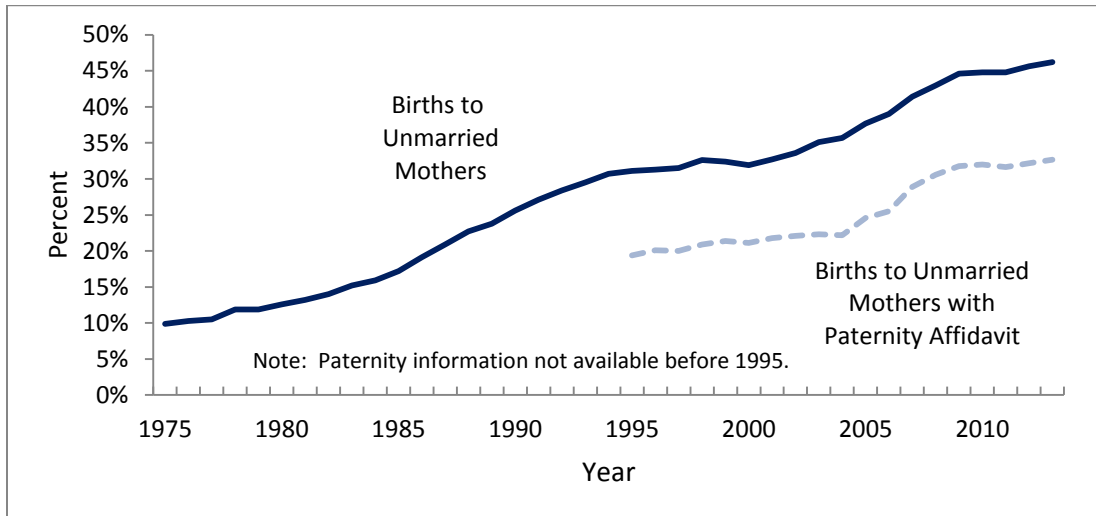
Year	Resident Births to Unmarried Mothers	
	Number	Percent of Total Births
1950	2,519	5.0%
1955	2,472	5.6%
1960	2,485	6.3%
1965	2,464	7.7%
1970	2,699	8.9%
1975	3,471	12.4%
1980	3,743	12.7%
1985	4,159	17.3%
1990	5,739	25.4%
1995	6,462	30.5%
2000	6,595	31.6%
2005	7,589	36.4%
2010	8,970	43.9%
2011	9,059	43.8%
2012	9,300	44.7%
2013	9,378	45.1%

Note: 2010 thru 2013 percentages are calculated excluding unknown marital status.

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Percent of Births to Unmarried Mothers and  
Unmarried Mothers with Paternity Affidavit  
West Virginia Occurrence Births, 1975-2013

Exhibit 9



Year	Occurrence Births to Unmarried Mothers		Occurrence Births to Unmarried Mothers with Father Established Through Paternity Affidavit	
	Number	Percent of Total Births	Number	Percent of Total Births
1975	2,767	9.9%	N/A	N/A
1980	3,786	12.6%	N/A	N/A
1985	4,354	17.2%	N/A	N/A
1990	6,046	25.6%	N/A	N/A
1995	6,890	31.1%	4,300	19.4%
1996	6,820	31.3%	4,368	20.1%
1997	6,822	31.5%	4,340	20.0%
1998	7,035	32.6%	4,512	20.9%
1999	6,919	32.4%	4,578	21.4%
2000	6,904	31.9%	4,563	21.1%
2001	6,874	32.7%	4,573	21.8%
2002	7,110	33.6%	4,680	22.1%
2003	7,545	35.1%	4,796	22.3%
2004	7,616	35.7%	4,736	22.2%
2005	7,964	37.7%	5,199	24.6%
2010	9,289	44.8%	6,638	32.0%
2011	9,383	44.8%	6,624	31.6%
2012	9,645	45.6%	6,805	32.2%
2013	9,752	46.2%	6,891	32.6%

Note: 2010 thru 2013 percentages are calculated excluding unknown marital status.

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Selected Factors by Race of Mother  
West Virginia Resident Births, 2013

Table 9

Factor	White or Caucasian		Black or African American		All Other Races		Unknown	Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Number	Percent
Total Births	19,718		733		356		22	20,829	
<u>Low Birthweight</u> (< 2,500)	1,821	9.2%	112	15.3%	27	7.7%	1	1,961	9.4%
<u>Maternal Age</u>									
Mothers < 20 Years	2,045	10.4%	100	13.6%	24	6.7%	4	2,173	10.4%
Mothers < 15 Years	17	0.1%	3	0.4%	1	0.3%	0	21	0.1%
<u>Entry Into Prenatal Care</u>									
First Trimester	15,928	81.9%	522	72.6%	269	76.9%	10	16,729	81.5%
Second Trimester	2,839	14.6%	154	21.4%	65	18.6%	3	3,061	14.9%
Third Trimester	560	2.9%	36	5.0%	11	3.1%	0	607	3.0%
No Prenatal Care	120	0.6%	7	1.0%	5	1.4%	0	132	0.6%
Unknown	271		14		6		9	300	
<u>Gestational Age</u>									
< 32 Weeks	278	1.4%	22	3.0%	5	1.4%	1	306	1.5%
32-36 Weeks	1,760	8.9%	95	13.0%	28	7.9%	0	1,883	9.1%
37-38 Weeks	5,278	26.8%	196	26.8%	91	25.6%	3	5,568	26.8%
39+ Weeks	12,378	62.9%	419	57.2%	231	65.1%	10	13,038	62.7%
Unknown	24		1		1		8	34	
<u>Place of Birth</u>									
Hospital*	19,594	99.4%	731	99.7%	354	99.4%	21	20,700	99.4%
Non-Hospital	120	0.6%	2	0.3%	2	0.6%	1	125	0.6%
Unknown	4		0		0		0	4	

\*Includes hospitals, en route to hospital and birthing centers

Percentages in each category are calculated as a total for that race excluding unknown.

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Prenatal Care by Mother's Race, Marital Status and Education  
West Virginia Resident Births, 2013  
Table 10

Birth Characteristics	Time Prenatal Care Began									Total
	First Trimester		Second Trimester		Third Trimester		No Care		Un-known	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Mother's Race: All Races	16,729	81.5%	3,061	14.9%	607	3.0%	132	0.6%	300	20,829
<u>Mother's Marital Status</u>										
Married	9,838	87.1%	1,211	10.7%	211	1.9%	35	0.3%	137	11,432
Not Married	6,885	74.6%	1,849	20.0%	396	4.3%	96	1.0%	152	9,378
Unknown	6	75.0%	1	12.5%	0	0.0%	1	12.5%	11	19
<u>Mother's Educational Level</u>										
8 Years or Less	177	64.4%	77	28.0%	18	6.5%	3	1.1%	2	277
9-11 Years (No High School Diploma)	1,970	71.4%	623	22.6%	142	5.1%	23	0.8%	53	2,811
12 Years (High School or GED)	5,838	79.0%	1,262	17.1%	239	3.2%	47	0.6%	117	7,503
13-15 Years (Some College or Associate’s Degree)	4,007	84.4%	608	12.8%	112	2.4%	23	0.5%	57	4,807
16+ Years (Bachelor's Degree or Higher)	4,545	90.5%	399	7.9%	71	1.4%	8	0.2%	38	5,061
Unknown	192	57.0%	92	27.3%	25	7.4%	28	8.3%	33	370
Mother's Race: White or Caucasian	15,928	81.9%	2,839	14.6%	560	2.9%	120	0.6%	271	19,718
<u>Mother's Marital Status</u>										
Married	9,482	87.3%	1,150	10.6%	198	1.8%	32	0.3%	128	10,990
Not Married	6,441	75.1%	1,688	19.7%	362	4.2%	87	1.0%	134	8,712
Unknown	5	71.4%	1	14.3%	0	0.0%	1	14.3%	9	16
<u>Mother's Educational Level</u>										
8 Years or Less	171	65.5%	72	27.6%	15	5.7%	3	1.1%	2	263
9-11 Years (No High School Diploma)	1,871	71.7%	585	22.4%	130	5.0%	22	0.8%	51	2,659
12 Years (High School or GED)	5,573	79.4%	1,176	16.8%	227	3.2%	42	0.6%	110	7,128
13-15 Years (Some College or Associate’s Degree)	3,825	84.9%	557	12.4%	102	2.3%	22	0.5%	50	4,556
16+ Years (Bachelor's Degree or Higher)	4,309	90.9%	363	7.7%	62	1.3%	6	0.1%	36	4,776
Unknown	179	57.0%	86	27.4%	24	7.6%	25	8.0%	22	336

Percentages are calculated excluding unknown.

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Prenatal Care by Mother's Race, Marital Status and Education  
West Virginia Resident Births, 2013  
Table 10 (Cont'd)

Birth Characteristics	Time Prenatal Care Began									Total
	First Trimester		Second Trimester		Third Trimester		No Care		Un-known	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Mother's Race: Black or African American	522	72.6%	154	21.4%	36	5.0%	7	1.0%	14	733
<u>Mother's Marital Status</u>										
Married	144	82.8%	23	13.2%	6	3.4%	1	0.6%	2	176
Not Married	377	69.3%	131	24.1%	30	5.5%	6	1.1%	12	556
Unknown	1	0.0%	0	0.0%	0	0.0%	0	0.0%	0	1
<u>Mother's Educational Level</u>										
8 Years or Less	5	50.0%	3	30.0%	2	20.0%	0	0.0%	0	10
9-11 Years (No High School Diploma)	77	67.0%	27	23.5%	11	9.6%	0	0.0%	2	117
12 Years (High School or GED)	195	69.6%	70	25.0%	11	3.9%	4	1.4%	4	284
13-15 Years (Some College or Associate’s Degree)	135	76.3%	35	19.8%	7	4.0%	0	0.0%	7	184
16+ Years (Bachelor's Degree or Higher)	101	82.8%	16	13.1%	4	3.3%	1	0.8%	1	123
Unknown	9	60.0%	3	20.0%	1	6.7%	2	13.3%	0	15
Mother's Race: All Other Races	269	76.9%	65	18.6%	11	3.1%	5	1.4%	6	356
<u>Mother's Marital Status</u>										
Married	207	81.8%	37	14.6%	7	2.8%	2	0.8%	2	255
Not Married	62	63.9%	28	28.9%	4	4.1%	3	3.1%	3	100
Unknown	0	0.0%	0	0.0%	0	0.0%	0	0.0%	1	1
<u>Mother's Educational Level</u>										
8 Years or Less	1	25.0%	2	50.0%	1	25.0%	0	0.0%	0	4
9-11 Years (No High School Diploma)	21	63.6%	10	30.3%	1	3.0%	1	3.0%	0	33
12 Years (High School or GED)	66	79.5%	15	18.1%	1	1.2%	1	1.2%	3	86
13-15 Years (Some College or Associate’s Degree)	46	70.8%	15	23.1%	3	4.6%	1	1.5%	0	65
16+ Years (Bachelor's Degree or Higher)	131	83.4%	20	12.7%	5	3.2%	1	0.6%	1	158
Unknown	4	50.0%	3	37.5%	0	0.0%	1	12.5%	2	10

Percentages are calculated excluding unknown.

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Births by Method of Delivery  
Number and Percent by Facility of Occurrence  
West Virginia, 2013  
Table 11

Hospital	Method of Delivery											
	Total	Vaginal		Vaginal after Cesarean Section		Total Cesarean Section		Primary Cesarean Section		Repeat Cesarean Section		Un- known
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Berkeley Medical Center	951	662	69.6%	2	0.2%	287	30.2%	136	14.3%	151	15.9%	0
Bluefield Regional Medical Center	606	398	65.7%	3	0.5%	205	33.8%	106	17.5%	99	16.3%	0
C.A.M.C. - Women & Children's Hospital	2,791	1,640	58.8%	5	0.2%	1,146	41.1%	642	23.0%	504	18.1%	0
Cabell-Huntington Hospital	2,802	1,722	61.5%	10	0.4%	1,070	38.2%	534	19.1%	536	19.1%	0
Camden-Clark Medical Center Memorial Campus	1,578	950	60.2%	4	0.3%	624	39.5%	312	19.8%	312	19.8%	0
Davis Memorial Hospital	335	223	66.6%	0	0.0%	112	33.4%	60	17.9%	52	15.5%	0
Fairmont General Hospital	398	265	66.6%	4	1.0%	129	32.4%	59	14.8%	70	17.6%	0
Grant Memorial Hospital	250	138	55.2%	0	0.0%	112	44.8%	58	23.2%	54	21.6%	0
Greenbrier Valley Hospital	547	433	79.2%	5	0.9%	109	19.9%	70	12.8%	39	7.1%	0
Hampshire Memorial Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Logan Regional Medical Center	307	130	42.3%	1	0.3%	176	57.3%	99	32.2%	77	25.1%	0
Monongalia General Hospital	1,069	702	65.7%	10	0.9%	357	33.4%	194	18.1%	163	15.2%	0
Montgomery General Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Ohio Valley Medical Center	281	195	69.4%	2	0.7%	84	29.9%	43	15.3%	41	14.6%	0
Pleasant Valley Hospital	137	89	65.0%	0	0.0%	48	35.0%	20	14.6%	28	20.4%	0
Princeton Community Hospital	655	454	69.3%	0	0.0%	201	30.7%	101	15.4%	100	15.3%	0
Raleigh General Hospital	1,318	964	73.1%	2	0.2%	352	26.7%	185	14.0%	167	12.7%	0
Reynolds Memorial Hospital	89	52	58.4%	0	0.0%	37	41.6%	21	23.6%	16	18.0%	0
Roane General Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
St. Joseph's Hospital (Buckhannon)	286	232	81.1%	6	2.1%	48	16.8%	19	6.6%	29	10.1%	0
St. Mary's Medical Center	396	244	61.6%	4	1.0%	148	37.4%	92	23.2%	56	14.1%	0
Stonewall Jackson Memorial Hospital	303	189	62.4%	3	1.0%	111	36.6%	55	18.2%	56	18.5%	0
Summersville Memorial Hospital	325	196	60.3%	1	0.3%	128	39.4%	87	26.8%	41	12.6%	0
Thomas Memorial Hospital	1,121	537	47.9%	2	0.2%	582	51.9%	335	29.9%	247	22.0%	0
United Hospital Center	1,021	650	63.7%	21	2.1%	350	34.3%	177	17.3%	173	16.9%	0
University Healthcare Jefferson Medical Center	254	185	72.8%	3	1.2%	66	26.0%	32	12.6%	34	13.4%	0
Weirton Medical Center	287	162	56.4%	0	0.0%	125	43.6%	75	26.1%	50	17.4%	0
Welch Community Hospital	74	48	64.9%	2	2.7%	24	32.4%	12	16.2%	12	16.2%	0
Wetzel County Hospital	2	2	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Wheeling Hospital	1,205	745	61.8%	5	0.4%	455	37.8%	256	21.2%	199	16.5%	0
Williamson Memorial Hospital	105	22	21.0%	0	0.0%	83	79.0%	31	29.5%	52	49.5%	0
WomenCare, Inc.	24	24	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
WVU Hospitals, Inc.	1,460	892	61.1%	30	2.1%	538	36.8%	323	22.1%	215	14.7%	0
----- Non-Hospital	147	133	90.5%	13	8.8%	1	0.7%	1	0.7%	0	0.0%	0
West Virginia Total Occurrences	21,127	13,281	62.9%	138	0.7%	7,708	36.5%	4,135	19.6%	3,573	16.9%	0

Percentages are calculated excluding unknown.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Full-Term Births (39 or More Weeks Gestation) by Method of Delivery  
Number and Percent by Facility of Occurrence  
West Virginia, 2013  
Table 12

Hospital	Method of Delivery											
	Total	Vaginal		Vaginal after Cesarean Section		Total Cesarean Section		Primary Cesarean Section		Repeat Cesarean Section		Un- known
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Berkeley Medical Center	633	464	73.3%	2	0.3%	167	26.4%	74	11.7%	93	14.7%	0
Bluefield Regional Medical Center	333	228	68.5%	1	0.3%	104	31.2%	59	17.7%	45	13.5%	0
C.A.M.C. - Women & Children's Hospital	1,537	985	64.1%	3	0.2%	549	35.7%	272	17.7%	277	18.0%	0
Cabell-Huntington Hospital	1,583	1,003	63.4%	4	0.3%	576	36.4%	262	16.6%	314	19.8%	0
Camden-Clark Medical Center Memorial Campus	832	495	59.5%	1	0.1%	336	40.4%	175	21.0%	161	19.4%	0
Davis Memorial Hospital	255	173	67.8%	0	0.0%	82	32.2%	47	18.4%	35	13.7%	0
Fairmont General Hospital	277	179	64.6%	3	1.1%	95	34.3%	42	15.2%	53	19.1%	0
Grant Memorial Hospital	187	107	57.2%	0	0.0%	80	42.8%	37	19.8%	43	23.0%	0
Greenbrier Valley Hospital	427	338	79.2%	4	0.9%	85	19.9%	53	12.4%	32	7.5%	0
Hampshire Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Logan Regional Medical Center	154	66	42.9%	1	0.6%	87	56.5%	53	34.4%	34	22.1%	0
Monongalia General Hospital	775	518	66.8%	7	0.9%	250	32.3%	127	16.4%	123	15.9%	0
Montgomery General Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Ohio Valley Medical Center	169	118	69.8%	1	0.6%	50	29.6%	27	16.0%	23	13.6%	0
Pleasant Valley Hospital	89	59	66.3%	0	0.0%	30	33.7%	12	13.5%	18	20.2%	0
Princeton Community Hospital	381	275	72.2%	0	0.0%	106	27.8%	55	14.4%	51	13.4%	0
Raleigh General Hospital	892	664	74.4%	1	0.1%	227	25.4%	109	12.2%	118	13.2%	0
Reynolds Memorial Hospital	42	26	61.9%	0	0.0%	16	38.1%	12	28.6%	4	9.5%	0
Roane General Hospital	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
St. Joseph's Hospital (Buckhannon)	203	163	80.3%	5	2.5%	35	17.2%	14	6.9%	21	10.3%	0
St. Mary's Medical Center	260	160	61.5%	4	1.5%	96	36.9%	58	22.3%	38	14.6%	0
Stonewall Jackson Memorial Hospital	224	138	61.6%	3	1.3%	83	37.1%	42	18.8%	41	18.3%	0
Summersville Memorial Hospital	239	149	62.3%	1	0.4%	89	37.2%	61	25.5%	28	11.7%	0
Thomas Memorial Hospital	653	331	50.7%	1	0.2%	321	49.2%	182	27.9%	139	21.3%	0
United Hospital Center	762	491	64.4%	14	1.8%	257	33.7%	131	17.2%	126	16.5%	0
University Healthcare Jefferson Medical Center	205	154	75.1%	2	1.0%	49	23.9%	22	10.7%	27	13.2%	0
Weirton Medical Center	209	122	58.4%	0	0.0%	87	41.6%	53	25.4%	34	16.3%	0
Welch Community Hospital	36	27	75.0%	0	0.0%	9	25.0%	6	16.7%	3	8.3%	0
Wetzel County Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Wheeling Hospital	947	599	63.3%	4	0.4%	344	36.3%	189	20.0%	155	16.4%	0
Williamson Memorial Hospital	74	16	21.6%	0	0.0%	58	78.4%	18	24.3%	40	54.1%	0
WomenCare, Inc.	16	16	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
WVU Hospitals, Inc.	689	473	68.7%	22	3.2%	194	28.2%	104	15.1%	90	13.1%	0
----- Non-Hospital	104	92	88.5%	11	10.6%	1	1.0%	1	1.0%	0	0.0%	0
West Virginia Total Occurrences	13,188	8,630	65.4%	95	0.7%	4,463	33.8%	2,297	17.4%	2,166	16.4%	0

Percentages are calculated excluding unknown.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Labor-Induced Births by Method of Delivery  
Number and Percent by Facility of Occurrence  
West Virginia, 2013  
Table 13

Hospital	Method of Delivery											
	Total	Vaginal		Vaginal after Cesarean Section		Total Cesarean Section		Primary Cesarean Section		Repeat Cesarean Section		Un- known
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Berkeley Medical Center	1	1	100.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Bluefield Regional Medical Center	63	39	61.9%	0	0.0%	24	38.1%	20	31.7%	4	6.3%	0
C.A.M.C. - Women & Children's Hospital	1,019	797	78.2%	2	0.2%	220	21.6%	219	21.5%	1	0.1%	0
Cabell-Huntington Hospital	653	442	67.7%	4	0.6%	207	31.7%	122	18.7%	85	13.0%	0
Camden-Clark Medical Center Memorial Campus	384	298	77.6%	0	0.0%	86	22.4%	76	19.8%	10	2.6%	0
Davis Memorial Hospital	29	20	69.0%	0	0.0%	9	31.0%	8	27.6%	1	3.4%	0
Fairmont General Hospital	156	130	83.3%	1	0.6%	25	16.0%	21	13.5%	4	2.6%	0
Grant Memorial Hospital	71	55	77.5%	0	0.0%	16	22.5%	16	22.5%	0	0.0%	0
Greenbrier Valley Hospital	78	73	93.6%	0	0.0%	5	6.4%	5	6.4%	0	0.0%	0
Hampshire Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Logan Regional Medical Center	6	0	0.0%	0	0.0%	6	100.0%	6	100.0%	0	0.0%	0
Monongalia General Hospital	264	198	75.0%	2	0.8%	64	24.2%	63	23.9%	1	0.4%	0
Montgomery General Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Ohio Valley Medical Center	105	90	85.7%	1	1.0%	14	13.3%	13	12.4%	1	1.0%	0
Pleasant Valley Hospital	37	27	73.0%	0	0.0%	10	27.0%	9	24.3%	1	2.7%	0
Princeton Community Hospital	308	267	86.7%	0	0.0%	41	13.3%	39	12.7%	2	0.6%	0
Raleigh General Hospital	320	264	82.5%	0	0.0%	56	17.5%	48	15.0%	8	2.5%	0
Reynolds Memorial Hospital	11	8	72.7%	0	0.0%	3	27.3%	3	27.3%	0	0.0%	0
Roane General Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
St. Joseph's Hospital (Buckhannon)	40	33	82.5%	2	5.0%	5	12.5%	4	10.0%	1	2.5%	0
St. Mary's Medical Center	154	112	72.7%	0	0.0%	42	27.3%	42	27.3%	0	0.0%	0
Stonewall Jackson Memorial Hospital	79	57	72.2%	0	0.0%	22	27.8%	19	24.1%	3	3.8%	0
Summersville Memorial Hospital	44	27	61.4%	0	0.0%	17	38.6%	15	34.1%	2	4.5%	0
Thomas Memorial Hospital	447	306	68.5%	0	0.0%	141	31.5%	130	29.1%	11	2.5%	0
United Hospital Center	413	326	78.9%	6	1.5%	81	19.6%	75	18.2%	6	1.5%	0
University Healthcare Jefferson Medical Center	56	50	89.3%	0	0.0%	6	10.7%	6	10.7%	0	0.0%	0
Weirton Medical Center	102	72	70.6%	0	0.0%	30	29.4%	30	29.4%	0	0.0%	0
Welch Community Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Wetzel County Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
Wheeling Hospital	46	38	82.6%	0	0.0%	8	17.4%	4	8.7%	4	8.7%	0
Williamson Memorial Hospital	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
WomenCare, Inc.	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0
WVU Hospitals, Inc.	340	277	81.5%	6	1.8%	57	16.8%	49	14.4%	8	2.4%	0
----- Non-Hospital	2	1	50.0%	0	0.0%	1	50.0%	1	50.0%	0	0.0%	0
West Virginia Total Occurrences	5,228	4,008	76.7%	24	0.5%	1,196	22.9%	1,043	20.0%	153	2.9%	0

Percentages are calculated excluding unknown.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Mother's Marital Status and Method of Paternity Establishment  
Unmarried Mothers by Hospital of Birth  
West Virginia Occurrences, 2013  
Table 14

Hospital	Total Births	Mother's Marital Status			Mother Unmarried with Paternity Established			Mother Unmarried with Father Unknown
		Married (or Un-known)	Un-married	Percent Un-married	Paternity Affidavit Accepted	Percent of Un-married Births	Father Established by Other Methods	
Berkeley Medical Center	951	395	556	58.5%	418	75.2%	33	105
Bluefield Regional Medical Center	606	303	303	50.0%	146	48.2%	67	90
C.A.M.C. - Women & Children's Hospital	2,791	1,586	1,205	43.2%	866	71.9%	141	198
Cabell-Huntington Hospital	2,802	1,492	1,310	46.8%	906	69.2%	109	295
Camden-Clark Medical Center Memorial Campus	1,578	795	783	49.6%	515	65.8%	91	177
Davis Memorial Hospital	335	167	168	50.1%	124	73.8%	16	28
Fairmont General Hospital	398	177	221	55.5%	160	72.4%	16	45
Grant Memorial Hospital	250	107	143	57.2%	104	72.7%	11	28
Greenbrier Valley Hospital	547	267	280	51.2%	207	73.9%	28	45
Hampshire Memorial Hospital	1	0	1	100.0%	0	0.0%	0	1
Logan Regional Medical Center	307	136	171	55.7%	104	60.8%	26	41
Monongalia General Hospital	1,069	722	347	32.5%	261	75.2%	19	67
Montgomery General Hospital	1	0	1	100.0%	0	0.0%	0	1
Ohio Valley Medical Center	281	119	162	57.7%	115	71.0%	10	37
Pleasant Valley Hospital	137	52	85	62.0%	54	63.5%	12	19
Princeton Community Hospital	655	426	229	35.0%	167	72.9%	15	47
Raleigh General Hospital	1,318	656	662	50.2%	426	64.4%	74	162
Reynolds Memorial Hospital	89	30	59	66.3%	47	79.7%	5	7
Roane General Hospital	1	0	1	100.0%	1	100.0%	0	0
St. Joseph's Hospital (Buckhannon)	286	155	131	45.8%	91	69.5%	15	25
St. Mary's Medical Center	396	308	88	22.2%	67	76.1%	4	17
Stonewall Jackson Memorial Hospital	303	150	153	50.5%	112	73.2%	15	26
Summersville Memorial Hospital	325	151	174	53.5%	122	70.1%	18	34
Thomas Memorial Hospital	1,121	601	520	46.4%	394	75.8%	70	56
United Hospital Center	1,021	551	470	46.0%	386	82.1%	28	56
University Healthcare Jefferson Medical Center	254	121	133	52.4%	100	75.2%	9	24
Weirton Medical Center	287	117	170	59.2%	118	69.4%	9	43
Welch Community Hospital	74	37	37	50.0%	19	51.4%	12	6
Wetzel County Hospital	2	2	0	0.0%	0	0.0%	0	0
Wheeling Hospital	1,205	642	563	46.7%	441	78.3%	27	95
Williamson Memorial Hospital	105	42	63	60.0%	25	39.7%	11	27
WomenCare, Inc.	24	21	3	12.5%	3	100.0%	0	0
WVU Hospitals, Inc.	1,460	938	522	35.8%	365	69.9%	38	119
----- Non-Hospital	147	109	38	25.9%	27	71.1%	3	8
WV Total Occurrences	21,127	11,375	9,752	46.2%	6,891	70.7%	932	1,929

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Out-of-State Occurrences  
West Virginia Resident Births, 2009-2013  
Table 15

State	2009 Births	2010 Births	2011 Births	2012 Births	2013 Births
Virginia	1,044	1,004	1,052	962	970
Maryland	680	637	623	676	721
Ohio	343	297	285	352	464
Kentucky	217	195	183	185	134
Pennsylvania	114	101	112	116	99
Tennessee	5	5	3	1	6
Florida	4	6	4	3	1
District of Columbia	4	0	5	4	5
North Carolina	1	3	3	5	3
Utah	5	0	3	0	3
California	2	1	1	0	4
Texas	3	0	1	3	0
Indiana	1	2	0	2	1
Illinois	2	0	0	2	1
All Other States/Countries	13	24	12	8	7
Total	2,438	2,275	2,287	2,319	2,419

Out-of-State Resident Births Born in West Virginia  
West Virginia Occurrence Births, 2009-2013  
Table 16

State	2009 Births	2010 Births	2011 Births	2012 Births	2013 Births
Ohio	1,547	1,570	1,623	1,630	1,599
Virginia	325	331	289	289	293
Pennsylvania	260	283	277	308	324
Kentucky	222	270	251	308	370
Maryland	68	75	69	77	82
North Carolina	6	4	9	10	7
New York	4	4	1	2	7
Florida	2	3	0	4	3
Texas	1	3	1	5	1
Indiana	3	2	3	1	1
Michigan	2	4	1	2	1
South Carolina	2	1	0	4	3
All Other States/Countries	20	14	17	20	26
Total	2,462	2,564	2,541	2,660	2,717

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# West Virginia Vital Statistics

## **Deaths**



## Death Summary

The number of West Virginia resident deaths increased by 260, from 21,586 in 2012 to 21,846 in 2013. The state's crude death rate rose from 2012 at 11.6 per 1,000 population to 11.8 in 2013. The average age at death for West Virginians was 72.1 (69.0 for men and 75.3 for women), compared to the 2012 average of 72.1 (68.8 for men and 75.4 for women). One hundred and sixty-five West Virginia residents who died in 2013 were age 100 or older. The oldest man was 106 years old, while the oldest woman was 113 years old at the time of death.

Cancer, which is now the leading cause of death in the Mountain State, heart disease and chronic lower respiratory diseases, the three leading causes of death, accounted for 50.3% of West Virginia resident deaths in 2013. Compared with 2012, the number of state deaths due to cancer increased by 90 or 1.9%, while heart disease deaths decreased 3.6%. Chronic lower respiratory disease, the third leading cause, increased 4.7%; stroke, the sixth leading cause, decreased 11.1%. Diabetes mellitus deaths increased by 106 or 14.4%, while the number of reported deaths due to influenza/pneumonia increased by 62 or 14.8%. Dementia, now the fifth leading cause of death in the Mountain State, increased by 98 or 9.9%, while Alzheimer's disease also increased by eight or 1.4%. Accidental deaths were the fourth leading cause of death for the seventh year in a row. The number of accidental deaths rose by 73 (4.7%), from 1,348 in 2012 to 1,411 in 2013. Motor vehicle accident deaths decreased by 21 or 5.9%, from 353 in 2012 to 332 in 2013. Accidental poisoning deaths are still a major concern in West Virginia, as it increased by 45 (8.8%) from 510 in 2012 to 555 in 2013. Accidental poisoning accounted for over one-third (34.4%) of all deaths in the age group of 25-34. The vast majority of these deaths was due to both legal and illicit ingestion of prescription pharmaceuticals.

Accidents were the leading cause of death for ages one through 44 years. Motor vehicle accident and accidental poisoning fatalities are the two leading causes of death for young adults aged 15 through 24, accounting for half (50.6%) of all deaths for this age group in 2013. West Virginia's 2013 motor vehicle fatalities included four children under five years of age, two less than 2012.

Suicides decreased by only one, from 325 to 324 between 2012 and 2013. Male suicides increased by 17 or 6.7%, from 253 in 2012 to 270 in 2013; the number of female suicides (54) increased by 18 or 25.0% from 2012. Sixty-nine percent (69.4%) of all suicide deaths were firearm related — 75.9% of male suicides and 37.3% of female suicides. The average age of death for a suicide victim in 2013 was 48.2 years. While suicide was the 11th leading cause of death overall, it was the second leading cause of death for ages 15-34. The number of suicides among persons aged 19 and under was 14 in 2013, one less than 2012 at 15.

Homicides decreased by 34, from 110 in 2012 to 76 in 2013. Fifty-seven (57) of the homicide victims were male, 19 were female. The average age at death for a homicide victim in 2013 was 36.3 years. There were six homicide victims under the age of five in 2013, same as 2012. Over half (56.6%) of 2013 homicide deaths were due to firearms.

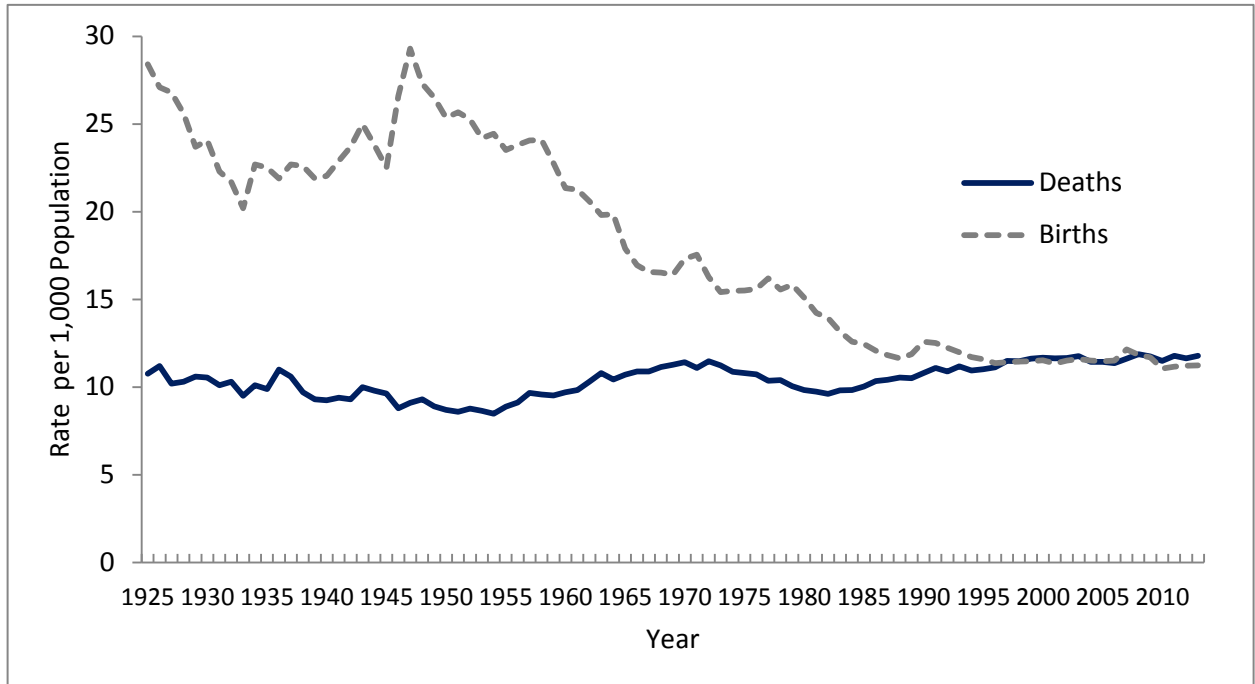
The statistics presented in this publication refer to resident data unless otherwise indicated. A resident death is determined by where the decedent last lived at the time of death. An occurrence death is determined by where the decedent died. If a person lived in West Virginia but died in New Jersey, that is defined as a West Virginia resident death and will be included as part of West Virginia's resident statistics; however, it is considered a New Jersey occurrence.

### Years of Potential Life Lost (YPLL)

YPLL is a measure of mortality calculated as the difference between age 75 (an average life span) and the age at death. Using YPLL before age 75, the sum of YPLL across all causes of death represents the total YPLL for all persons dying before the age of 75. A person dying at the age of 30 would, therefore, contribute 45 years to the total YPLL ( $75-30=45$ ). YPLL is an important tool in emphasizing and evaluating causes of premature death.

The YPLL from all causes increased 0.3%, from 177,365 YPLL in 2012 to 177,893 in 2013. The four leading causes of YPLL in 2013 were malignant neoplasms (36,773 YPLL), diseases of the heart (25,020 YPLL), non-motor vehicle accidents (24,519 YPLL) and motor vehicle accidents (10,538 YPLL). Combined, these four causes accounted for over half (54.3%) of all years of potential life lost in 2013. In comparison to 2012, YPLL attributable to malignant neoplasms increased from 20.4% to 20.7% of the total YPLL. YPLL due to diseases of the heart decreased from 14.7% to 14.1%, YPLL due to non-motor vehicle accidents increased from 12.6% to 13.8%, and the percentage of total YPLL due to motor vehicle crashes decreased from 6.1% to 5.8%.

Number and Rate of Resident Deaths (Compared to Births)  
West Virginia, 1925-2013  
Exhibit 10



Year	Deaths		Births	
	Number of Deaths	Rate per 1,000 Population	Number of Live Births	Rate per 1,000 Population
1925	17,132	10.8	45,240	28.4
1930	18,220	10.5	41,614	24.1
1935	18,342	9.9	41,775	22.5
1940	17,577	9.2	41,900	22.0
1945	16,464	9.6	38,446	22.5
1950	17,459	8.7	50,850	25.4
1955	16,712	8.9	44,199	23.5
1960	18,040	9.7	39,696	21.3
1965	19,121	10.7	31,958	17.9
1970	19,924	11.4	30,194	17.3
1975	19,479	10.8	27,960	15.5
1980	19,178	9.8	29,438	15.1
1985	19,425	10.0	24,108	12.5
1990	19,360	10.8	22,582	12.6
1995	20,128	11.0	21,158	11.6
2000	21,127	11.7	20,860	11.5
2005	20,773	11.4	20,834	11.5
2010	21,278	11.5	20,471	11.0
2011	21,870	11.8	20,705	11.2
2012	21,586	11.6	20,813	11.2
2013	21,846	11.8	20,829	11.2

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Summary Totals  
West Virginia Resident Deaths, 2013  
Table 17

Characteristic	Number	Percent	Characteristic	Number	Percent
<u>Total</u>			<u>Place Death Occurred</u>		
Residence	21,846	100.0%	WV Hospital	7,255	33.2%
Occurrence	21,421		Home	6,158	28.2%
			Licensed Nursing Home	3,376	15.5%
<u>Gender</u>			Hospice Care	1,932	8.8%
Male	11,078	50.7%	Named Place or Street Address	1,170	5.4%
Female	10,768	49.3%	Out-of-State Hospital	1,288	5.9%
			Unlicensed Personal Care	396	1.8%
<u>Disposition of Death</u>			En Route to Hospital	244	1.1%
Burial	13,695	64.4%	Clinic or Center	22	0.1%
Cremation	6,107	28.7%	Other and Unknown	5	0.0%
Removal from State	540	2.5%			
Donation	349	1.6%	<u>Race</u>		
Other	565	2.7%	White or Caucasian	21,144	96.8%
Unknown	590		Black or African American	649	3.0%
			All Other Races	53	0.2%
<u>Age at Death</u>			<u>Leading Causes of Death</u>		
Less than One Year of Age	157	0.7%	Malignant Neoplasms	4,717	21.6%
One to Four Years	30	0.1%	Diseases of the Heart	4,672	21.4%
Five to Fourteen Years	49	0.2%	Chronic Lower Respiratory Disease	1,589	7.3%
Fifteen to Nineteen Years	61	0.3%	Accidents, All Forms	1,411	6.5%
Twenty to Twenty-Four Years	117	0.5%	Dementia	1,092	5.0%
Twenty-Five to Thirty-Four Years	425	1.9%	Cerebrovascular Disease	987	4.5%
Thirty-Five to Forty-Four Years	667	3.1%	Diabetes Mellitus	841	3.8%
Forty-Five to Fifty-Four Years	1,597	7.3%	Alzheimer's Disease	590	2.7%
Fifty-Five to Sixty-Four Years	3,053	14.0%	Influenza and Pneumonia	482	2.2%
Sixty-Five to Seventy-Four Years	4,363	20.0%	Nephritis, Nephrotic Syndrome and Nephrosis	449	2.1%
Seventy-Five to Eighty-Four Years	5,413	24.8%	All Other Causes (Residual)	5,016	23.0%
Eighty-Five Years and Older	5,914	27.1%			

Note: En Route to Hospital includes any patient status listed as Dead On Arrival  
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Out-of-State Occurrences  
West Virginia Resident Deaths, 2009-2013  
Table 18

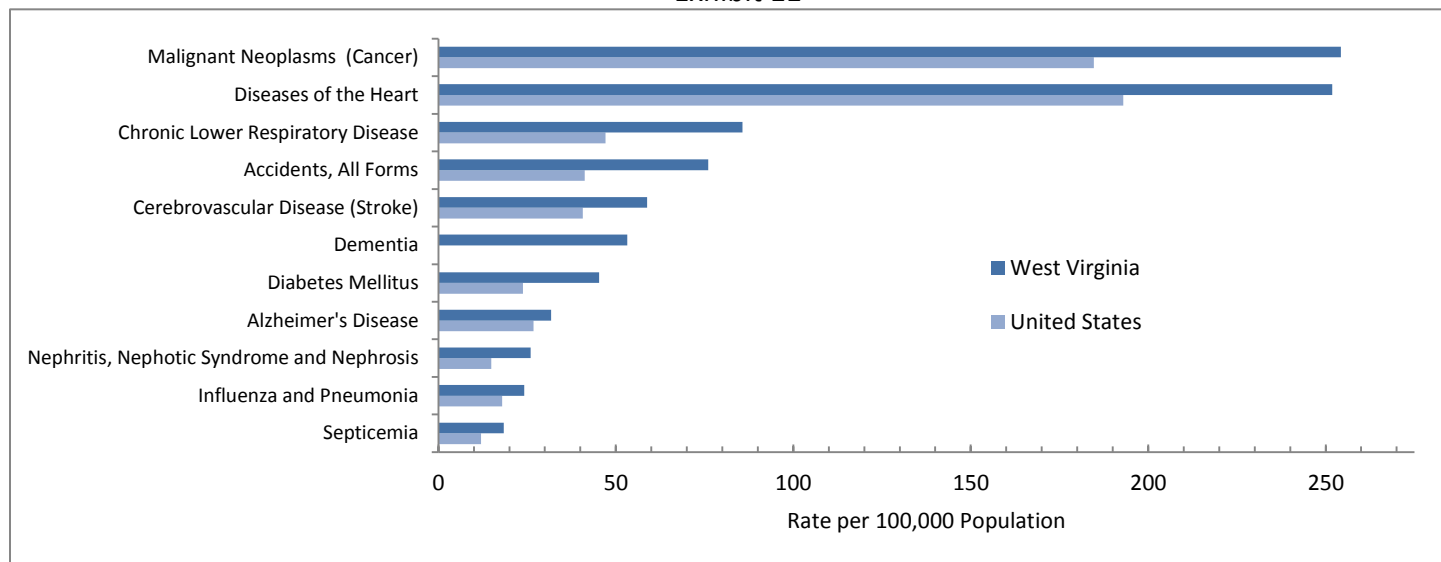
State	2009 Deaths	2010 Deaths	2011 Deaths	2012 Deaths	2013 Deaths
Virginia	540	562	617	603	552
Ohio	566	574	602	437	613
Maryland	286	282	282	207	256
Pennsylvania	194	192	193	226	214
Kentucky	148	138	162	163	140
North Carolina	58	59	55	48	58
Florida	47	57	50	46	49
Tennessee	17	27	18	30	20
South Carolina	20	15	20	8	20
District of Columbia	14	23	8	5	11
Georgia	15	10	14	0	7
Texas	7	10	9	8	11
All Other States/Countries	49	53	49	47	41
Total	1,961	2,002	2,079	1,828	1,992

Deaths to Out-of-State Residents  
West Virginia Occurrence Deaths, 2009-2013  
Table 19

State	2009 Deaths	2010 Deaths	2011 Deaths	2012 Deaths	2013 Deaths
Ohio	780	775	804	780	762
Virginia	196	206	187	178	166
Pennsylvania	174	188	169	191	176
Kentucky	193	152	178	155	183
Maryland	108	128	136	161	153
Florida	28	40	24	34	29
North Carolina	22	12	24	14	17
Michigan	10	12	11	5	6
Tennessee	7	12	6	9	8
South Carolina	5	10	8	7	8
New York	9	4	7	6	5
New Jersey	7	8	5	5	1
All Other States/Countries	62	37	52	49	53
Total	1,601	1,584	1,611	1,594	1,567

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**2013 West Virginia and United States Resident Deaths**  
**Leading Causes of Death**  
**Exhibit 11**



Leading Cause of Death	West Virginia			United States*		
	Number of Deaths	Rate per 100,000 Population	Percent of Total	Number of Deaths	Rate per 100,000 Population	Percent of Total
Malignant Neoplasms (Cancer)	4,717	254.2	21.6%	584,881	184.7	22.5%
Diseases of the Heart	4,672	251.8	21.4%	611,105	193.0	23.5%
Chronic Lower Respiratory Disease	1,589	85.6	7.3%	149,205	47.1	5.7%
Accidents, All Forms	1,411	76.0	6.5%	130,557	41.2	5.0%
Dementia	1,092	58.9	5.0%	Not Available		
Cerebrovascular Disease (Stroke)	987	53.2	4.5%	128,978	40.7	5.0%
Diabetes Mellitus	841	45.3	3.8%	75,578	23.9	2.9%
Alzheimer's Disease	590	31.8	2.7%	84,767	26.8	3.3%
Influenza and Pneumonia	482	26.0	2.2%	56,979	18.0	2.2%
Nephritis, Nephrotic Syndrome and Nephrosis	449	24.2	2.1%	47,112	14.9	1.8%
Septicemia	342	18.4	1.6%	38,156	12.0	1.5%
Total for Leading Causes	17,172	925.5	78.6%	1,907,318	602.2	73.4%
All Other Causes (Residual)	4,674	251.9	21.4%	689,675	217.8	26.6%
Total for All Causes	21,846	1,177.5	100.0%	2,596,993	820.0	100.0%

\* National Vital Statistics Reports. Deaths: Final Data for 2013. NCHS  
[http://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64\\_02.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64_02.pdf)  
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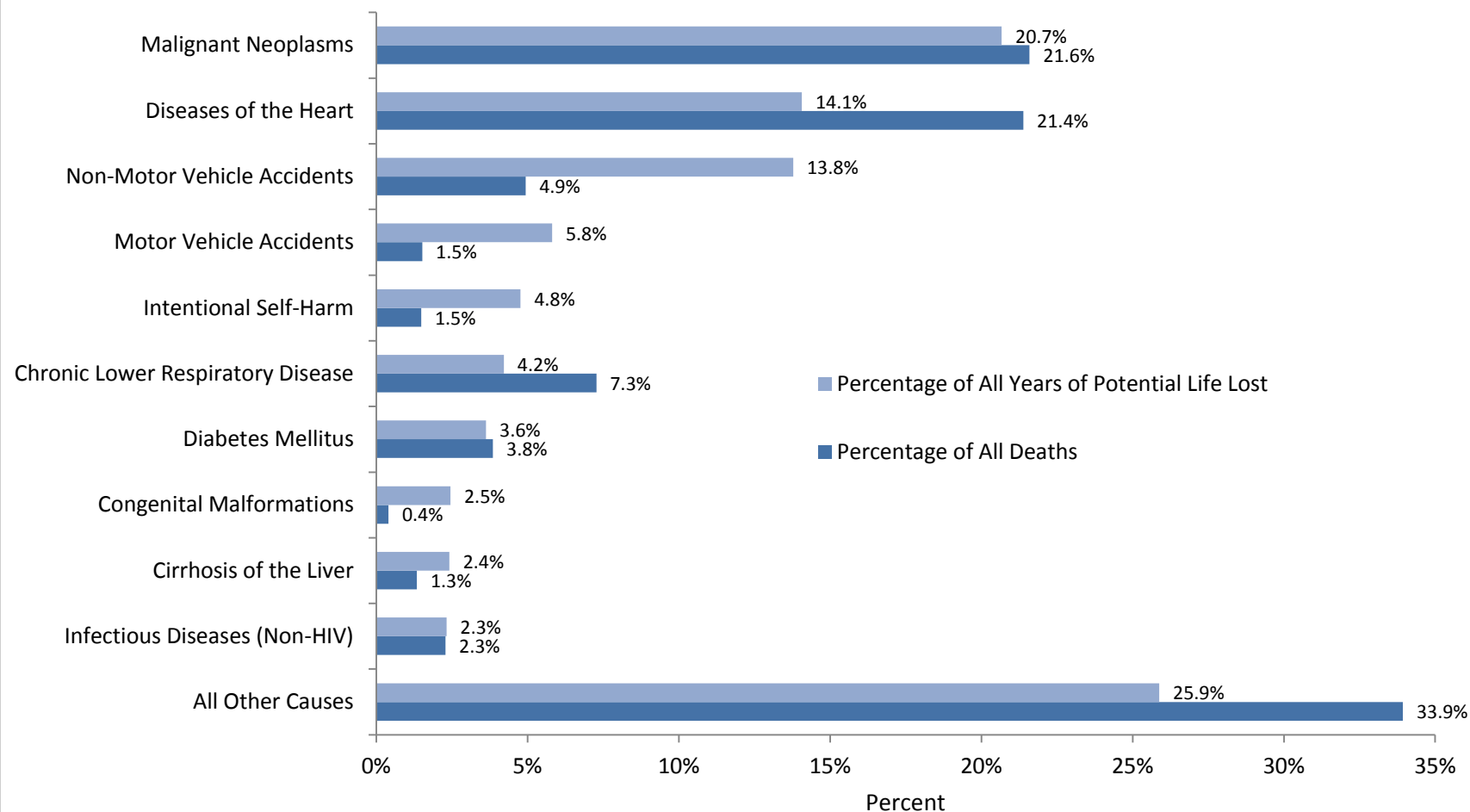
Top Twenty Leading Causes of Years of Potential Life Lost Before Age 75\*  
 Compared to Actual Deaths of All Ages  
 West Virginia Residents, 2012 and 2013  
 Table 20

Cause of Death	Years of Potential Life Lost Before Age 75				Actual Deaths			
	2012		2013		2012		2013	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Causes	177,365	100.0%	177,893	100.0%	21,586	100.0%	21,846	100.0%
Malignant Neoplasms (Cancer)	36,249	20.4%	36,773	20.7%	4,642	21.5%	4,717	21.6%
Diseases of the Heart	26,005	14.7%	25,020	14.1%	4,862	22.5%	4,672	21.4%
Non-Motor Vehicle Accidents	22,340	12.6%	24,519	13.8%	997	4.6%	1,079	4.9%
Motor Vehicle Accidents	10,770	6.1%	10,338	5.8%	354	1.6%	332	1.5%
Intentional Self-Harm (Suicides)	9,682	5.5%	8,477	4.8%	325	1.5%	324	1.5%
Chronic Lower Respiratory Diseases	6,901	3.9%	7,497	4.2%	1,492	6.9%	1,589	7.3%
Diabetes Mellitus	5,670	3.2%	6,442	3.6%	736	3.4%	841	3.8%
Congenital Malformations	4,057	2.3%	4,365	2.5%	75	0.3%	88	0.4%
Chronic Liver Disease and Cirrhosis	3,749	2.1%	4,293	2.4%	251	1.2%	293	1.3%
Infectious and Parasitic Diseases (excluding HIV)	3,372	1.9%	4,131	2.3%	502	2.3%	499	2.3%
Cerebrovascular Diseases (Stroke)	4,022	2.3%	3,626	2.0%	1,118	5.2%	987	4.5%
Assault (Homicides)	3,971	2.2%	2,961	1.7%	110	0.5%	76	0.3%
Sudden Infant Death Syndrome	1,490	0.8%	2,310	1.3%	20	0.1%	31	0.1%
Influenza and Pneumonia	1,819	1.0%	2,160	1.2%	422	2.0%	482	2.2%
Injury Undetermined Whether Accidental or Purposely Inflicted	2,939	1.7%	2,022	1.1%	83	0.4%	63	0.3%
Nephritis, Nephrotic Syndrome and Nephrosis	2,031	1.1%	1,772	1.0%	465	2.2%	449	2.1%
Essential Hypertension and Hypertensive Renal Disease	1,260	0.7%	1,749	1.0%	253	1.2%	281	1.3%
Obesity	1,259	0.7%	1,618	0.9%	60	0.3%	81	0.4%
Alcohol or Drug Psychoses, Dependence or Abuse	1,729	1.0%	1,560	0.9%	77	0.4%	76	0.3%
Disorders Relating to Short Gestation and Unspecified Low Birthweight	1,416	0.8%	1,267	0.7%	19	0.1%	17	0.1%
All Other Causes (Residual)	26,638	15.0%	24,997	14.1%	4,723	21.9%	4,869	22.3%

\*Top 20 leading causes in 2013.

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Top Ten Causes of Years of Potential Life Lost Before Age 75  
Compared to Resident Deaths of All Ages  
West Virginia Resident Deaths, 2013  
Exhibit 12



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Leading Causes of Death by Age Group and Gender  
West Virginia Resident Deaths, 2013

Table 21

Leading Causes of Death	Total, All Age Groups					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	11,078		10,768		21,846	
Malignant Neoplasms (Cancer)	2,549	23.0%	2,168	20.1%	4,717	21.6%
Diseases of the Heart	2,405	21.7%	2,267	21.1%	4,672	21.4%
Chronic Lower Respiratory Disease	787	7.1%	802	7.4%	1,589	7.3%
Accidents, All Forms	902	8.1%	509	4.7%	1,411	6.5%
Dementia	370	3.3%	722	6.7%	1,092	5.0%
Cerebrovascular Disease (Stroke)	399	3.6%	588	5.5%	987	4.5%
Diabetes Mellitus	453	4.1%	388	3.6%	841	3.8%
Alzheimer's Disease	157	1.4%	433	4.0%	590	2.7%
Influenza and Pneumonia	218	2.0%	264	2.5%	482	2.2%
Nephritis, Nephrotic Syndrome and Nephrosis	207	1.9%	242	2.2%	449	2.1%
All Other Causes (Residual)	2,631	23.7%	2,385	22.1%	5,016	23.0%

Leading Causes of Death	Less than One Year					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	89		68		157	
Congenital Malformations	23	25.8%	20	29.4%	43	27.4%
Sudden Infant Death Syndrome	21	23.6%	10	14.7%	31	19.7%
Disorders Relating to Short Gestation/Unspecified LBW	9	10.1%	8	11.8%	17	10.8%
Other Respiratory and Cardiovascular Conditions of the Newborn	6	6.7%	5	7.4%	11	7.0%
Accidents, All Forms	4	4.5%	4	5.9%	8	5.1%
Maternal Complications of Pregnancy	4	4.5%	2	2.9%	6	3.8%
Infectious and Parasitic Diseases	4	4.5%	2	2.9%	6	3.8%
Infections Specific to the Perinatal Period	2	2.2%	3	4.4%	5	3.2%
Other and Unspecified Perinatal Conditions	3	3.4%	2	2.9%	5	3.2%
Assault (Homicides)	2	2.2%	1	1.5%	3	1.9%
All Other Causes (Residual)	11	12.4%	11	16.2%	22	14.0%

Leading Causes of Death	One to Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	15		15		30	
Accidents, All Forms	3	20.0%	6	40.0%	9	30.0%
Injury Undetermined Whether Accidental or Purposely Inflicted	1	6.7%	3	20.0%	4	13.3%
Assault (Homicides)	1	6.7%	2	13.3%	3	10.0%
Malignant Neoplasms (Cancer)	2	13.3%	0	0.0%	2	6.7%
Diseases of the Heart	2	13.3%	0	0.0%	2	6.7%
All Other Causes (Residual)	6	40.0%	4	26.7%	10	33.3%

Percentages in each category are calculated as a total for that gender.

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Leading Causes of Death by Age Group and Gender  
West Virginia Resident Deaths, 2013  
Table 21 (Cont'd)

Leading Causes of Death	Five to Nine Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	13		9		22	
Accidents, All Forms	4	30.8%	4	44.4%	8	36.4%
Injury Undetermined Whether Accidental or Purposely Inflicted	1	7.7%	2	22.2%	3	13.6%
Malignant Neoplasms (Cancer)	2	15.4%	0	0.0%	2	9.1%
Congenital Malformations	1	7.7%	1	11.1%	2	9.1%
Influenza and Pneumonia	2	15.4%	0	0.0%	2	9.1%
All Other Causes (Residual)	3	23.1%	2	22.2%	5	22.7%

Leading Causes of Death	Ten to Fourteen Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	12		15		27	
Accidents, All Forms	0	0.0%	5	33.3%	5	18.5%
Intentional Self-Harm (Suicides)	2	16.7%	3	20.0%	5	18.5%
Malignant Neoplasms (Cancer)	3	25.0%	2	13.3%	5	18.5%
Congenital Malformations	2	16.7%	1	6.7%	3	11.1%
All Other Causes (Residual)	5	41.7%	4	26.7%	9	33.3%

Leading Causes of Death	Fifteen to Twenty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	127		51		178	
Accidents, All Forms	72	56.7%	27	52.9%	99	55.6%
Intentional Self-Harm (Suicides)	18	14.2%	3	5.9%	21	11.8%
Assault (Homicides)	10	7.9%	3	5.9%	13	7.3%
Malignant Neoplasms (Cancer)	6	4.7%	2	3.9%	8	4.5%
Injury Undetermined Whether Accidental or Purposely Inflicted	4	3.1%	1	2.0%	5	2.8%
Congenital Malformations	1	0.8%	3	5.9%	4	2.2%
Diseases of the Heart	2	1.6%	0	0.0%	2	1.1%
Chronic Lower Respiratory Disease	1	0.8%	1	2.0%	2	1.1%
Diabetes Mellitus	2	1.6%	0	0.0%	2	1.1%
Nephritis, Nephrotic Syndrome and Nephrosis	1	0.8%	1	2.0%	2	1.1%
All Other Causes (Residual)	13	10.2%	11	21.6%	24	13.5%

Leading Causes of Death	Twenty-Five to Thirty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	284		141		425	
Accidents, All Forms	154	54.2%	68	48.2%	222	52.2%
Intentional Self-Harm (Suicides)	38	13.4%	9	6.4%	47	11.1%
Diseases of the Heart	19	6.7%	9	6.4%	28	6.6%
Malignant Neoplasms (Cancer)	10	3.5%	17	12.1%	27	6.4%
Assault (Homicides)	16	5.6%	3	2.1%	19	4.5%
Injury Undetermined Whether Accidental or Purposely Inflicted	7	2.5%	3	2.1%	10	2.4%
Diabetes Mellitus	3	1.1%	2	1.4%	5	1.2%
Influenza and Pneumonia	1	0.4%	4	2.8%	5	1.2%
Septicemia	3	1.1%	2	1.4%	5	1.2%
Obesity	3	1.1%	1	0.7%	4	0.9%
All Other Causes (Residual)	30	10.6%	23	16.3%	53	12.5%

Percentages in each category are calculated as a total for that gender.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Leading Causes of Death by Age Group and Gender  
West Virginia Resident Deaths, 2013  
Table 21 (Cont'd)

Leading Causes of Death	Thirty-Five to Forty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	405		262		667	
Accidents, All Forms	151	37.3%	64	24.4%	215	32.2%
Diseases of the Heart	59	14.6%	41	15.6%	100	15.0%
Malignant Neoplasms (Cancer)	37	9.1%	55	21.0%	92	13.8%
Intentional Self-Harm (Suicides)	47	11.6%	10	3.8%	57	8.5%
Diabetes Mellitus	17	4.2%	3	1.1%	20	3.0%
Chronic Liver Disease and Cirrhosis	9	2.2%	10	3.8%	19	2.8%
Influenza and Pneumonia	7	1.7%	5	1.9%	12	1.8%
Obesity	6	1.5%	6	2.3%	12	1.8%
Assault (Homicides)	9	2.2%	2	0.8%	11	1.6%
Septicemia	5	1.2%	6	2.3%	11	1.6%
All Other Causes (Residual)	58	14.3%	60	22.9%	118	17.7%

Leading Causes of Death	Forty-Five to Fifty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	983		614		1,597	
Malignant Neoplasms (Cancer)	184	18.7%	184	30.0%	368	23.0%
Diseases of the Heart	214	21.8%	82	13.4%	296	18.5%
Accidents, All Forms	169	17.2%	80	13.0%	249	15.6%
Chronic Lower Respiratory Disease	38	3.9%	40	6.5%	78	4.9%
Chronic Liver Disease and Cirrhosis	49	5.0%	22	3.6%	71	4.4%
Intentional Self-Harm (Suicides)	49	5.0%	15	2.4%	64	4.0%
Diabetes Mellitus	36	3.7%	28	4.6%	64	4.0%
Essential Hypertension and Hypertensive Renal Disease	22	2.2%	11	1.8%	33	2.1%
Cerebrovascular Disease (Stroke)	16	1.6%	15	2.4%	31	1.9%
Septicemia	11	1.1%	15	2.4%	26	1.6%
All Other Causes (Residual)	195	19.8%	122	19.9%	317	19.8%

Leading Causes of Death	Fifty-Five to Sixty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	1,874		1,179		3,053	
Malignant Neoplasms (Cancer)	573	30.6%	415	35.2%	988	32.4%
Diseases of the Heart	357	19.1%	182	15.4%	539	17.7%
Chronic Lower Respiratory Disease	116	6.2%	88	7.5%	204	6.7%
Accidents, All Forms	132	7.0%	50	4.2%	182	6.0%
Diabetes Mellitus	105	5.6%	67	5.7%	172	5.6%
Cerebrovascular Disease (Stroke)	58	3.1%	40	3.4%	98	3.2%
Chronic Liver Disease and Cirrhosis	63	3.4%	23	2.0%	86	2.8%
Intentional Self-Harm (Suicides)	50	2.7%	12	1.0%	62	2.0%
Septicemia	26	1.4%	18	1.5%	44	1.4%
Nephritis, Nephrotic Syndrome and Nephrosis	18	1.0%	19	1.6%	37	1.2%
Essential Hypertension and Hypertensive Renal Disease	23	1.2%	14	1.2%	37	1.2%
All Other Causes (Residual)	353	18.8%	251	21.3%	604	19.8%

Percentages in each category are calculated as a total for that gender.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Leading Causes of Death by Age Group and Gender  
West Virginia Resident Deaths, 2013  
Table 21 (Cont'd)

Leading Causes of Death	Sixty-Five to Seventy-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,490		1,873		4,363	
Malignant Neoplasms (Cancer)	779	31.3%	582	31.1%	1,361	31.2%
Diseases of the Heart	534	21.4%	328	17.5%	862	19.8%
Chronic Lower Respiratory Disease	213	8.6%	216	11.5%	429	9.8%
Diabetes Mellitus	129	5.2%	95	5.1%	224	5.1%
Cerebrovascular Disease (Stroke)	80	3.2%	66	3.5%	146	3.3%
Accidents, All Forms	73	2.9%	40	2.1%	113	2.6%
Nephritis, Nephrotic Syndrome and Nephrosis	53	2.1%	38	2.0%	91	2.1%
Septicemia	38	1.5%	42	2.2%	80	1.8%
Dementia	43	1.7%	37	2.0%	80	1.8%
Chronic Liver Disease and Cirrhosis	48	1.9%	25	1.3%	73	1.7%
All Other Causes (Residual)	500	20.1%	404	21.6%	904	20.7%

Leading Causes of Death	Seventy-Five to Eighty-Four Years					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,640		2,773		5,413	
Diseases of the Heart	628	23.8%	592	21.3%	1,220	22.5%
Malignant Neoplasms (Cancer)	625	23.7%	573	20.7%	1,198	22.1%
Chronic Lower Respiratory Disease	250	9.5%	248	8.9%	498	9.2%
Cerebrovascular Disease (Stroke)	135	5.1%	177	6.4%	312	5.8%
Dementia	107	4.1%	191	6.9%	298	5.5%
Diabetes Mellitus	101	3.8%	102	3.7%	203	3.8%
Alzheimer's Disease	63	2.4%	112	4.0%	175	3.2%
Accidents, All Forms	82	3.1%	65	2.3%	147	2.7%
Nephritis, Nephrotic Syndrome and Nephrosis	58	2.2%	76	2.7%	134	2.5%
Influenza and Pneumonia	62	2.3%	69	2.5%	131	2.4%
All Other Causes (Residual)	529	20.0%	568	20.5%	1,097	20.3%

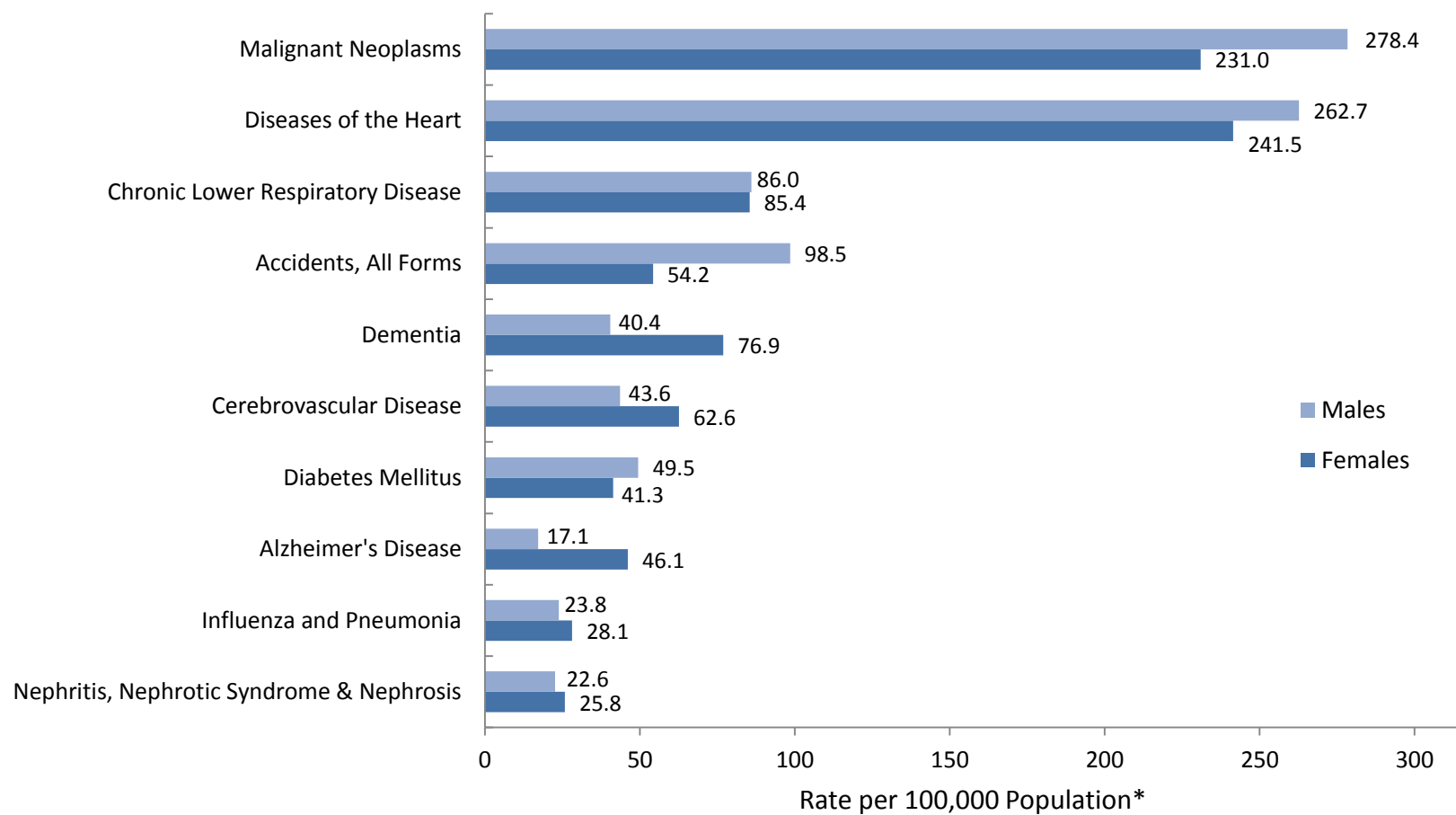
Leading Causes of Death	Eighty-Five Years and Over					
	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths, All Causes	2,146		3,768		5,914	
Diseases of the Heart	590	27.5%	1,033	27.4%	1,623	27.4%
Dementia	214	10.0%	489	13.0%	703	11.9%
Malignant Neoplasms (Cancer)	326	15.2%	338	9.0%	664	11.2%
Cerebrovascular Disease (Stroke)	103	4.8%	282	7.5%	385	6.5%
Alzheimer's Disease	82	3.8%	291	7.7%	373	6.3%
Chronic Lower Respiratory Disease	164	7.6%	202	5.4%	366	6.2%
Influenza and Pneumonia	74	3.4%	128	3.4%	202	3.4%
Nephritis, Nephrotic Syndrome and Nephrosis	64	3.0%	97	2.6%	161	2.7%
Accidents, All Forms	58	2.7%	96	2.5%	154	2.6%
Diabetes Mellitus	60	2.8%	91	2.4%	151	2.6%
Essential Hypertension and Hypertensive Renal Disease	24	1.1%	77	2.0%	101	1.7%
All Other Causes (Residual)	387	18.0%	644	17.1%	1,031	17.4%

Percentages in each category are calculated as a total for that gender.

West Virginia Bureau for Public Health

Health Statistics Center, 2016

2013 Ten Leading Causes of Death by Gender  
West Virginia Resident Death Rates\*  
Exhibit 13



\*Using 2013 estimated Census data for  
Males = 915,576; Females = 938,728  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Types of Firearm Injury Deaths by Age Group and Gender  
West Virginia Residents, 2013  
Table 22

	Age in Years									Total
	0-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	
Both Genders										
Accidental	0	1	0	0	0	0	0	0	1	2
Intentional Self-Harm (Suicide)	0	2	5	9	32	37	41	41	58	225
Assault (Homicide)	0	1	1	6	12	6	8	6	3	43
Legal Intervention	0	0	0	0	1	1	3	0	2	7
Undetermined	0	0	0	0	3	0	0	0	0	3
Total	0	4	6	15	48	44	52	47	64	280
Male										
Accidental	0	0	0	0	0	0	0	0	0	0
Intentional Self-Harm (Suicide)	0	2	4	9	29	34	33	37	57	205
Assault (Homicide)	0	1	0	6	12	5	6	3	3	36
Legal Intervention	0	0	0	0	1	1	2	0	2	6
Undetermined	0	0	0	0	2	0	0	0	0	2
Total	0	3	4	15	44	40	41	40	62	249
Female										
Accidental	0	1	0	0	0	0	0	0	1	2
Intentional Self-Harm (Suicide)	0	0	1	0	3	3	8	4	1	20
Assault (Homicide)	0	0	1	0	0	1	2	3	0	7
Legal Intervention	0	0	0	0	0	0	1	0	0	1
Undetermined	0	0	0	0	1	0	0	0	0	1
Total	0	1	2	0	4	4	11	7	2	31

Non-Transport Accidental Injury Deaths  
Place Where Injury Occurred  
West Virginia Residents, 2013  
Table 23

Place of Injury	Male	Female	Total
Home	338	217	555
Farm	0	0	0
Mine and Quarry	7	1	8
Industrial Places	1	0	1
Public Building	0	0	0
Recreational Places	0	0	0
Resident Institution	0	0	0
Street and Highway	0	0	0
Other Specified Places	185	110	295
Unspecified Places	39	24	63
Total	570	352	922

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Causes of Resident Deaths: Number and Rate  
West Virginia, 2013  
Table 24

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
A00-Z99*	Total Deaths, All Causes	21,846	11.8
A00-B99	Certain Infectious and Parasitic Diseases	518	27.9
A00-A09	Intestinal Infectious Diseases	85	4.6
A02	Other Salmonella Infections	1	0.1
A04	Other Bacterial Intestinal Infections	63	3.4
A08	Viral and Other Specified Intestinal Infections	1	0.1
A09	Diarrhea and Gastroenteritis of Presumed Infectious Origin	20	1.1
A15-A19	Tuberculosis	2	0.1
A16	Respiratory Tuberculosis, Not Confirmed Bacteriologically or Histologically	1	0.1
A18	Tuberculosis of other organs	1	0.1
A30-A49	Other Bacterial Diseases	344	18.5
A31	Infection due to Other Mycobacteria	1	0.1
A37	Whooping Cough	1	0.1
A40	Streptococcal Septicemia	4	0.2
A41	Other Septicemia	327	17.6
A48	Other Bacterial Diseases, Not Elsewhere Classified	1	0.1
A49	Bacterial Infection of Unspecified Site	10	0.5
A80-A89	Viral Infections of the Central Nervous System	6	0.3
A81	Slow Virus Infections of Central Nervous System	6	0.3
B00-B09	Viral Infections Characterized by Skin and Mucous Membrane Lesions	1	0.1
B00	Herpesviral [Herpes Simplex] Infection	1	0.1
B15-B19	Viral Hepatitis	39	2.1
B17	Other Acute Viral Hepatitis	2	0.1
B18	Chronic Viral Hepatitis	36	1.9
B19	Unspecified Viral Hepatitis	1	0.1
B20-B24	Human Immunodeficiency Virus [HIV] Disease	19	1.0
B20	Human Immunodeficiency Virus [HIV] Disease Resulting in Infectious and Parasitic Diseases	8	0.4
B21	Human Immunodeficiency Virus [HIV] Disease Resulting in Malignant Neoplasms	2	0.1
B22	Human Immunodeficiency Virus [HIV] Disease Resulting in Other Specified Diseases	6	0.3
B23	Human Immunodeficiency Virus [HIV] Disease Resulting in Other Conditions	2	0.1
B24	Unspecified Human Immunodeficiency Virus [HIV] Disease	1	0.1
B25-B34	Other Viral Diseases	4	0.2
B25	Cytomegaloviral Disease	1	0.1
B34	Viral Infection of Unspecified Site	3	0.2
B35-B49	Mycoses	6	0.3
B37	Candidiasis	3	0.2
B45	Cryptococcosis	1	0.1
B49	Unspecified Mycosis	2	0.1
B90-B94	Sequelae of Infectious and Parasitic Diseases	11	0.6
B90	Sequelae of Tuberculosis	1	0.1
B94	Sequelae of Other and Unspecified Infectious and Parasitic Diseases	10	0.5
B99	Other Infectious Diseases	1	0.1
B99	Other and Unspecified Infectious Diseases	1	0.1
C00-D48	Neoplasms	4,814	259.5
C00-C97	Malignant Neoplasms	4,717	254.2
C02	Malignant Neoplasm of Other and Unspecified Parts of Tongue	13	0.7
C03	Malignant Neoplasm of Gum	1	0.1
C05	Malignant Neoplasm of Palate	4	0.2
C06	Malignant Neoplasm of Other and Unspecified Parts of Mouth	12	0.6
C07	Malignant Neoplasm of Parotid Gland	3	0.2
C08	Malignant Neoplasm of Other and Unspecified Major Salivary Glands	1	0.1
C09	Malignant Neoplasm of Tonsil	11	0.6
C10	Malignant Neoplasm of Oropharynx	6	0.3
C11	Malignant Neoplasm of Nasopharynx	10	0.5
C12	Malignant Neoplasm of Pyriform Sinus	1	0.1
C13	Malignant Neoplasm of Hypopharynx	2	0.1
C14	Malignant Neoplasm of Other and Ill-Defined Sites in the Lip, Oral Cavity and Pharynx	20	1.1
C15-C26	Malignant Neoplasms of Digestive Organs	1,115	60.1
C15	Malignant Neoplasm of Esophagus	113	6.1
C16	Malignant Neoplasm of Stomach	85	4.6
C17	Malignant Neoplasm of Small Intestine	11	0.6

\*Total death rates are calculated per 1,000 population; all other death rates are calculated per 100,000 population.

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Causes of Resident Deaths: Number and Rate  
West Virginia, 2013  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
C18	Malignant Neoplasm of Colon	409	22.0
C19	Malignant Neoplasm of Rectosigmoid Junction	14	0.8
C20	Malignant Neoplasm of Rectum	56	3.0
C21	Malignant Neoplasm of Anus and Anal Canal	6	0.3
C22	Malignant Neoplasm of Liver and Intrahepatic Bile Ducts	128	6.9
C23	Malignant Neoplasm of Gallbladder	16	0.9
C24	Malignant Neoplasm of Other and Unspecified Parts of the Biliary Tract	14	0.8
C25	Malignant Neoplasm of Pancreas	253	13.6
C26	Malignant Neoplasm of Other and Ill-Defined Digestive Organs	10	0.5
C30-C39	Malignant Neoplasms of Respiratory and Intrathoracic Organs	1,495	80.6
C30	Malignant Neoplasm of Nasal Cavity and Middle Ear	1	0.1
C31	Malignant Neoplasm of Accessory Sinuses	4	0.2
C32	Malignant Neoplasm of Larynx	46	2.5
C33	Malignant Neoplasm of Trachea	1	0.1
C34	Malignant Neoplasm of Bronchus and Lung	1,438	77.5
C37	Malignant Neoplasm of Thymus	1	0.1
C38	Malignant Neoplasm of Heart, Mediastinum and Pleura	4	0.2
C40-C41	Malignant Neoplasms of Bone and Articular Cartilage	8	0.4
C41	Malignant Neoplasm of Bone and Articular Cartilage of Other and Unspecified Sites	8	0.4
C43-C44	Melanoma and Other Malignant Neoplasms of Skin	114	6.1
C43	Malignant Neoplasm of Skin	83	4.5
C44	Other Malignant Neoplasms of Skin	31	1.7
C45-C49	Malignant Neoplasms of Mesothelial and Soft Tissue	53	2.9
C45	Mesothelioma	16	0.9
C48	Malignant Neoplasm of Retroperitoneum and Peritoneum	4	0.2
C49	Malignant Neoplasm of Other Connective and Soft Tissue	33	1.8
C50	Malignant Neoplasm of Breast	284	15.3
C50	Malignant Neoplasm of Breast	284	15.3
C51-C58	Malignant Neoplasms of Female Genital Organs	225	12.1
C51	Malignant Neoplasm of Vulva	13	0.7
C52	Malignant Neoplasm of Vagina	3	0.2
C53	Malignant Neoplasm of Cervix Uteri	34	1.8
C54	Malignant Neoplasm of Corpus Uteri	25	1.3
C55	Malignant Neoplasm of Uterus, Part Unspecified	43	2.3
C56	Malignant Neoplasm of Ovary	104	5.6
C57	Malignant Neoplasm of Other and Unspecified Female Genital Organs	3	0.2
C60-C63	Malignant Neoplasms of Male Genital Organs	182	9.8
C61	Malignant Neoplasm of Prostate	178	9.6
C62	Malignant Neoplasm of Testis	4	0.2
C64-C68	Malignant Neoplasms of Urinary Tract	254	13.7
C64	Malignant Neoplasm of Kidney, Except Renal Pelvis	116	6.3
C65	Malignant Neoplasm of Renal Pelvis	2	0.1
C66	Malignant Neoplasm of Ureter	2	0.1
C67	Malignant Neoplasm of Bladder	130	7.0
C68	Malignant Neoplasm of Other and Unspecified Urinary Organs	4	0.2
C69-C72	Malignant Neoplasms of Eye, Brain and Other Parts of Central Nervous System	105	5.7
C69	Malignant Neoplasm of Eye and Adnexa	1	0.1
C71	Malignant Neoplasm of Brain	104	5.6
C73-C75	Malignant Neoplasms of Other Endocrine Glands	10	0.5
C73	Malignant Neoplasm of Thyroid Gland	9	0.5
C74	Malignant Neoplasm of Adrenal Gland	1	0.1
C76-C80	Malignant Neoplasms of Ill-Defined, Secondary and Unspecified Sites	310	16.7
C76	Malignant Neoplasm of Other and Ill-Defined Sites	15	0.8
C78	Secondary and Malignant Neoplasm of Respiratory and Digestive Organs	20	1.1
C79	Secondary Malignant Neoplasm of Other Sites	42	2.3
C80	Malignant Neoplasm without Specification of Site	233	12.6
C81-C96	Malignant Neoplasms of Lymphoid, Hematopoietic and Related Tissue	432	23.3
C81	Hodgkin's Disease	4	0.2
C82	Follicular [Nodular] Non-Hodgkin's Lymphoma	4	0.2
C83	Diffuse Non-Hodgkin's Lymphoma	27	1.5

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Causes of Resident Deaths: Number and Rate  
West Virginia, 2013  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
C84	Peripheral and Cutaneous T-Cell Lymphoma	7	0.4
C85	Other and Unspecified Types of Non-Hodgkin's Lymphoma	114	6.1
C90	Multiple Myeloma and Malignant Plasma Cell Neoplasms	102	5.5
C91	Lymphoid Leukemia	54	2.9
C92	Myeloid Leukemia	79	4.3
C93	Monocytic Leukemia	1	0.1
C95	Leukemia of Unspecified Cell Type	40	2.2
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	46	2.5
C97	Malignant Neoplasm of Independent (Primary) Multiple Sites	46	2.5
D10-D36	Benign Neoplasms	8	0.4
D15	Benign Neoplasm of Other and Unspecified Intrathoracic Organs	2	0.1
D23	Other Benign Neoplasm of Skin	1	0.1
D32	Benign Neoplasm of Meninges	3	0.2
D33	Benign Neoplasm of Brain and Other Parts of Central Nervous System	1	0.1
D35	Benign Neoplasm of Other and Unspecified Endocrine Gland	1	0.1
D37-D48	Neoplasms of Uncertain or Unknown Behavior	89	4.8
D37	Neoplasm of Uncertain or Unknown Behavior of Oral Cavity and Digestive Organs	3	0.2
D38	Neoplasm of Uncertain or Unknown Behavior of Middle Ear and Respiratory and Intrathoracic Organs	5	0.3
D41	Neoplasm of Uncertain or Unknown Behavior of Urinary Organs	1	0.1
D43	Neoplasm of Uncertain or Unknown Behavior of Brain and Central Nervous System	26	1.4
D45	Polycythemia Vera	3	0.2
D46	Myelodysplastic Syndromes	35	1.9
D47	Other Neoplasm of Uncertain or Unknown Behavior of Lymphoid, Hematopoietic and Related Tissue	5	0.3
D48	Neoplasm of Uncertain or Unknown Behavior of Other and Unspecified Sites	11	0.6
D50-D89	Disease of the Blood and Blood-forming Organs and Certain Disorders Involving the Immune Mechanism	113	6.1
D50-D53	Nutritional Anemias	5	0.3
D50	Iron Deficiency Anemia	4	0.2
D51	Vitamin B12 Deficiency Anemia	1	0.1
D55-D59	Hemolytic Anemias	6	0.3
D57	Sickle-Cell Disorders	4	0.2
D58	Other Hereditary Hemolytic Anemias	1	0.1
D59	Acquired Hemolytic Anemia	1	0.1
D60-D64	Aplastic and Other Anemias	45	2.4
D61	Other Aplastic Anemias	9	0.5
D62	Acute Posthemorrhagic Anemia	2	0.1
D64	Other Anemias	34	1.8
D65-D69	Coagulation Defects, Purpura and Other Hemorrhagic Conditions	40	2.2
D65	Disseminated Intravascular Coagulation [Defibrination Syndrome]	7	0.4
D66	Hereditary Factor VIII Deficiency	3	0.2
D68	Other Coagulation Defects	16	0.9
D69	Purpura and Other Hemorrhagic Conditions	14	0.8
D70-D77	Other Diseases of Blood and Blood-forming Organs	11	0.6
D70	Agranulocytosis	3	0.2
D72	Other Disorders of White Blood Cells	3	0.2
D73	Diseases of Spleen	3	0.2
D76	Certain Diseases Involving Lymphoreticular Tissue and Reticulohistiocytic System	2	0.1
D80-D89	Certain Disorders Involving the Immune Mechanism	6	0.3
D84	Other Immunodeficiencies	2	0.1
D86	Sarcoidosis	1	0.1
D89	Other Disorders Involving the Immune Mechanism, Not Elsewhere Classified	3	0.2
E00-E90	Endocrine, Nutritional and Metabolic Diseases	1,198	64.6
E00-E07	Disorders of Thyroid Gland	25	1.3
E03	Other Hypothyroidism	17	0.9
E04	Other Nontoxic Goitre	1	0.1
E05	Thyrotoxicosis [Hyperthyroidism]	5	0.3
E07	Other Disorders of Thyroid	2	0.1
E10-E14	Diabetes Mellitus	841	45.3
E10	Insulin-Dependent Diabetes Mellitus	77	4.2
E11	Non-Insulin-Dependent Diabetes Mellitus	251	13.5
E14	Unspecified Diabetes Mellitus	513	27.6

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Causes of Resident Deaths: Number and Rate  
West Virginia, 2013  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
E15-E16	Other Disorders of Glucose Regulation and Pancreatic Internal Secretion	4	0.2
E16	Other Disorders of Pancreatic Internal Secretion	4	0.2
E20-E35	Disorders of Other Endocrine Glands	5	0.3
E23	Hyperfunction and Other Disorders of Pituitary Gland	1	0.1
E27	Other Disorders of Adrenal Gland	4	0.2
E40-E46	Malnutrition	12	0.6
E43	Unspecified Severe Protein-Energy Malnutrition	4	0.2
E46	Unspecified Protein-Energy Malnutrition	8	0.4
E65-E68	Obesity and Other Hyperalimentation	81	4.4
E66	Obesity	81	4.4
E70-E90	Metabolic Disorders	230	12.4
E71	Disorders of Branched-Chain Amino-Acid Metabolism and Fatty-Acid Metabolism	2	0.1
E72	Other Disorders of Amino-Acid Metabolism	1	0.1
E75	Disorders of Sphingolipid Metabolism and Other Lipid Storage Disorders	2	0.1
E76	Disorders of Glycosaminoglycan Metabolism	1	0.1
E78	Disorders of Lipoprotein Metabolism and Other Lipidemias	120	6.5
E83	Disorders of Mineral Metabolism	3	0.2
E84	Cystic Fibrosis	5	0.3
E85	Amyloidosis	2	0.1
E86	Volume Depletion	29	1.6
E87	Other Disorders of Fluid, Electrolyte and Acid-Base Balance	59	3.2
E88	Other Metabolic Disorders	6	0.3
F00-F99	Mental and Behavioral Disorders	1,212	65.3
F00-F09	Organic, Including Symptomatic, Mental Disorders	1,111	59.9
F01	Vascular Dementia	64	3.4
F03	Unspecified Dementia	1,028	55.4
F05	Delirium, Not Induced by Alcohol and Other Psychoactive Substances	5	0.3
F06	Other Mental Disorders due to Brain Damage and Dysfunction and to Physical Disease	14	0.8
F10-F19	Mental and Behavioral Disorders due to Psychoactive Substance Use	76	4.1
F10	Mental and Behavioral Disorders due to Use of Alcohol	62	3.3
F11	Mental and Behavioral Disorders due to Use of Opioids	1	0.1
F17	Mental and Behavioral Disorders due to Use of Tobacco	3	0.2
F19	Mental and Behavioral Disorders due to Multiple Drug Use and Use of Other Psychoactive Substances	10	0.5
F20-F29	Schizophrenia, Schizotypal and Delusional Disorders	2	0.1
F20	Schizophrenia	2	0.1
F30-F39	Mood [Affective] Disorders	7	0.4
F31	Bipolar Affective Disorder	3	0.2
F32	Depressive Episode	4	0.2
F40-F48	Neurotic, Stress-Related and Somatoform Disorders	2	0.1
F43	Reaction to Severe Stress, and Adjustment Disorders	1	0.1
F48	Other Neurotic Disorders	1	0.1
F50-F59	Behavioral Syndromes Associated with Physiological Disturbances and Physical Factors	5	0.3
F50	Eating Disorders	3	0.2
F54	Psychological and Behavioral Factors Associated with Disorders or Diseases Classified Elsewhere	2	0.1
F70-F79	Mental Retardation	8	0.4
F72	Severe Mental Retardation	1	0.1
F73	Profound Mental Retardation	2	0.1
F79	Unspecified Mental Retardation	5	0.3
F80-F89	Disorders of Psychological Development	1	0.1
F84	Pervasive Developmental Disorders	1	0.1
G00-G99	Diseases of the Nervous System	1,039	56.0
G00-G09	Inflammatory Diseases of the Central Nervous System	9	0.5
G00	Bacterial Meningitis, Not Elsewhere Classified	4	0.2
G03	Meningitis due to Other and Unspecified Causes	3	0.2
G06	Intracranial and Intraspinal Abscess and Granuloma	1	0.1
G09	Sequelae of Inflammatory Diseases of Central Nervous System	1	0.1
G10-G14	Systemic Atrophies Primarily Affecting the Central Nervous System	74	4.0
G10	Huntington's Disease	7	0.4
G12	Spinal Muscular Atrophy and Related Syndromes	67	3.6
G20-G26	Extrapyramidal and Movement Disorders	160	8.6
G20	Parkinson's Disease	157	8.5

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Causes of Resident Deaths: Number and Rate  
West Virginia, 2013  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
G21	Secondary Parkinsonism	1	0.1
G23	Other Degenerative Diseases of Basal Ganglia	2	0.1
G30-G32	Other Degenerative Diseases of the Nervous System	612	33.0
G30	Alzheimer's Disease	590	31.8
G31	Other Degenerative Diseases of Nervous System, Not Elsewhere Classified	22	1.2
G35-G37	Demyelinating Diseases of the Central Nervous System	22	1.2
G35	Multiple Sclerosis	22	1.2
G40-G47	Episodic and Paroxysmal Disorders	21	1.1
G40	Epilepsy	4	0.2
G41	Status Epilepticus	9	0.5
G47	Sleep Disorders	8	0.4
G60-G64	Polyneuropathies and Other Disorders of the Peripheral Nervous System	3	0.2
G61	Inflammatory Polyneuropathy	2	0.1
G62	Other Polyneuropathies	1	0.1
G70-G73	Diseases of Myoneural Junction and Muscle	23	1.2
G70	Myasthenia Gravis and Other Myoneural Disorders	9	0.5
G71	Primary Disorders of Muscles	14	0.8
G80-G83	Cerebral Palsy and Other Paralytic Syndromes	26	1.4
G80	Infantile Cerebral Palsy	21	1.1
G82	Paraplegia and Tetraplegia	4	0.2
G83	Other Paralytic Syndromes	1	0.1
G90-G99	Other Disorders of the Nervous System	89	4.8
G90	Disorders of Autonomic Nervous System	3	0.2
G91	Hydrocephalus	6	0.3
G93	Other Disorders of Brain	76	4.1
G95	Other Diseases of Spinal Cord	3	0.2
G96	Other Disorders of Central Nervous System	1	0.1
H60-H95	Diseases of the Ear	3	0.2
H65-H75	Diseases of Middle Ear and Mastoid	3	0.2
H66	Suppurative and Unspecified Otitis Media	2	0.1
H70	Mastoiditis and Related Conditions	1	0.1
I00-I99	Diseases of the Circulatory System	6,234	336.0
I00-I09, I11, I13, I20-I51	Diseases of the Heart	4,672	251.8
I05	Chronic Rheumatic Heart Diseases	16	0.9
I05	Rheumatic Mitral Valve Diseases	8	0.4
I06	Rheumatic Aortic Valve Diseases	1	0.1
I07	Rheumatic Tricuspid Valve Diseases	1	0.1
I08	Multiple Valve Diseases	4	0.2
I09	Other Rheumatic Heart Diseases	2	0.1
I10-I15	Hypertensive Diseases	441	23.8
I10	Essential (Primary) Hypertension	205	11.0
I11	Hypertensive Heart Disease	138	7.4
I12	Hypertensive Renal Disease	76	4.1
I13	Hypertensive Heart and Renal Disease	22	1.2
I20-I25	Ischemic Heart Diseases	2,935	158.2
I20	Angina Pectoris	1	0.1
I21	Acute Myocardial Infarction	888	47.9
I24	Other Acute Ischemic Heart Diseases	20	1.1
I25	Chronic Ischemic Heart Disease	2,026	109.2
I26-I28	Pulmonary Heart Disease and Diseases of Pulmonary Circulation	110	5.9
I26	Pulmonary Embolism	69	3.7
I27	Other Pulmonary Heart Diseases	41	2.2
I30-I52	Other forms of Heart Diseases	1,451	78.2
I31	Other Diseases of Pericardium	5	0.3
I33	Acute and Subacute Endocarditis	9	0.5
I34	Nonrheumatic Mitral Valve Disorders	12	0.6
I35	Nonrheumatic Aortic Valve Disorders	115	6.2
I38	Endocarditis, Valve Unspecified	42	2.3

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Causes of Resident Deaths: Number and Rate  
West Virginia, 2013  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
I40	Acute Myocarditis	2	0.1
I42	Cardiomyopathy	132	7.1
I44	Atrioventricular and Left Bundle-Branch Block	5	0.3
I45	Other Conduction Disorders	8	0.4
I46	Cardiac Arrest	197	10.6
I47	Paroxysmal Tachycardia	6	0.3
I48	Atrial Fibrillation and Flutter	166	8.9
I49	Other Cardiac Arrhythmias	67	3.6
I50	Heart Failure	557	30.0
I51	Complications and Ill-Defined Descriptions of Heart Disease	128	6.9
I60-I69	Cerebrovascular Diseases	987	53.2
I60	Subarachnoid Hemorrhage	39	2.1
I61	Intracerebral Hemorrhage	118	6.4
I62	Other Nontraumatic Intracranial Hemorrhage	57	3.1
I63	Cerebral Infarction	45	2.4
I64	Stroke, Not Specified as Hemorrhage or Infarction	603	32.5
I67	Other Cerebrovascular Diseases	54	2.9
I68	Cerebrovascular Disorders in Diseases Classified Elsewhere	2	0.1
I69	Sequelae of Cerebrovascular Disease	69	3.7
I70-I79	Diseases of Arteries, Arterioles and Capillaries	251	13.5
I70	Atherosclerosis	81	4.4
I71	Aortic Aneurysm and Dissection	84	4.5
I72	Other Aneurysm	8	0.4
I73	Other Peripheral Vascular Diseases	64	3.4
I74	Arterial Embolism and Thrombosis	7	0.4
I77	Other Disorders of Arteries and Arterioles	7	0.4
I80-I89	Diseases of Veins, Lymphatic Vessels and Lymph Nodes, Not Elsewhere Classified	37	2.0
I80	Phlebitis and Thrombophlebitis	32	1.7
I81	Portal Vein Thrombosis	2	0.1
I82	Other Venous Embolism and Thrombosis	3	0.2
I95-I99	Other and Unspecified Disorders of the Circulatory System	6	0.3
I95	Hypotension	3	0.2
I99	Other and Unspecified Disorders of Circulatory System	3	0.2
J00-J99	Diseases of the Respiratory System	2,554	137.7
J09-J18	Influenza and Pneumonia	482	26.0
J10	Influenza due to Identified Influenza Virus	3	0.2
J11	Influenza, Virus Not Identified	24	1.3
J12	Viral Pneumonia, Not Elsewhere Classified	4	0.2
J13	Pneumonia due to Streptococcus Pneumoniae	3	0.2
J15	Bacterial Pneumonia, Not Elsewhere Classified	19	1.0
J18	Pneumonia, Organism Unspecified	429	23.1
J20-J22	Other Acute Lower Respiratory Infections	6	0.3
J20	Acute Bronchitis	6	0.3
J30-J39	Other Diseases of Upper Respiratory Tract	3	0.2
J38	Diseases of Vocal Cords and Larynx, Not Elsewhere Classified	1	0.1
J39	Other Diseases of Upper Respiratory Tract	2	0.1
J40-J47	Chronic Lower Respiratory Diseases	1,589	85.6
J40	Bronchitis, Not Specified as Acute or Chronic	3	0.2
J42	Unspecified Chronic Bronchitis	1	0.1
J43	Emphysema	98	5.3
J44	Other Chronic Obstructive Pulmonary Disease	1,453	78.3
J45	Asthma	28	1.5
J46	Status Asthmaticus	2	0.1
J47	Bronchiectasis	4	0.2
J60-J70	Lung Diseases due to External Agents	169	9.1
J60	Coalworker's Pneumoconiosis	24	1.3
J61	Pneumoconiosis due to Asbestos and Other Mineral Fibers	10	0.5
J64	Unspecified Pneumoconiosis	13	0.7
J67	Hypersensitivity Pneumonitis due to Organic Dust	1	0.1
J69	Pneumonitis due to Solids and Liquids	119	6.4
J70	Respiratory Conditions due to Other External Agents	2	0.1

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Causes of Resident Deaths: Number and Rate  
West Virginia, 2013  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
J80-J84	Other Respiratory Diseases Principally Affecting the Interstitium	148	8.0
J80	Adult Respiratory Distress Syndrome	18	1.0
J81	Pulmonary Edema	6	0.3
J82	Pulmonary Eosinophilia, Not Elsewhere Classified	1	0.1
J84	Other Interstitial Pulmonary Diseases	123	6.6
J85-J86	Suppurative and Necrotic Conditions of Lower Respiratory Tract	11	0.6
J85	Abscess of Lung and Mediastinum	4	0.2
J86	Pyothorax	7	0.4
J90-J94	Other Diseases of Pleura	17	0.9
J90	Pleural Effusion, Not Elsewhere Classified	13	0.7
J93	Pneumothorax	3	0.2
J94	Other Pleural Conditions	1	0.1
J95-J99	Other Diseases of the Respiratory System	129	7.0
J96	Respiratory Failure, Not Elsewhere Classified	89	4.8
J98	Other Respiratory Disorders	40	2.2
K00-K93	Diseases of the Digestive System	852	45.9
K00-K14	Diseases of Oral Cavity, Salivary Glands and Jaws	2	0.1
K11	Diseases of Salivary Glands	2	0.1
K20-K31	Diseases of Esophagus, Stomach and Duodenum	44	2.4
K21	Gastro-esophageal Reflux Disease	13	0.7
K22	Other Diseases of Esophagus	8	0.4
K25	Gastric Ulcer	4	0.2
K26	Duodenal Ulcer	6	0.3
K27	Peptic Ulcer, Site Unspecified	4	0.2
K29	Gastritis and Duodenitis	2	0.1
K31	Other Diseases of Stomach and Duodenum	7	0.4
K35-K38	Diseases of Appendix	2	0.1
K35	Acute Appendicitis	1	0.1
K37	Unspecified Appendicitis	1	0.1
K40-K46	Hernia	13	0.7
K40	Inguinal Hernia	2	0.1
K42	Umbilical Hernia	1	0.1
K43	Ventral Hernia	3	0.2
K44	Diaphragmatic Hernia	3	0.2
K46	Unspecified Abdominal Hernia	4	0.2
K50-K52	Noninfective Enteritis and Colitis	10	0.5
K50	Crohn's Disease [Regional Enteritis]	6	0.3
K51	Ulcerative Colitis	2	0.1
K52	Other Noninfective Gastroenteritis and Colitis	2	0.1
K55-K63	Other Diseases of Intestines	186	10.0
K55	Vascular Disorders of Intestine	78	4.2
K56	Paralytic Ileus and Intestinal Obstruction without Hernia	49	2.6
K57	Diverticular Disease of Intestine	28	1.5
K59	Other Functional Intestinal Disorders	4	0.2
K61	Abscess of Anal and Rectal Regions	1	0.1
K62	Other Diseases of Anus and Rectum	2	0.1
K63	Other Diseases of Intestine	24	1.3
K65-K67	Diseases of Peritoneum	19	1.0
K65	Peritonitis	14	0.8
K66	Other Disorders of Peritoneum	5	0.3
K70-K77	Diseases of Liver	430	23.2
K70	Alcoholic Liver Disease	81	4.4
K72	Hepatic Failure, Not Elsewhere Classified	56	3.0
K74	Fibrosis and Cirrhosis of Liver	212	11.4
K75	Other Inflammatory Liver Diseases	10	0.5
K76	Other Diseases of Liver	71	3.8
K80-K87	Disorders of Gallbladder, Biliary Tract and Pancreas	73	3.9
K80	Cholelithiasis	8	0.4
K81	Cholecystitis	20	1.1
K82	Other Diseases of Gallbladder	2	0.1
K83	Other Diseases of Biliary Tract	12	0.6

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Causes of Resident Deaths: Number and Rate  
West Virginia, 2013  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
K85	Acute Pancreatitis	21	1.1
K86	Other Diseases of Pancreas	10	0.5
K90-K93	Other Diseases of the Digestive System	73	3.9
K90	Intestinal Malabsorption	3	0.2
K92	Other Diseases of Digestive System	70	3.8
L00-L99	Diseases of the Skin and Subcutaneous Tissue	29	1.6
L00-L08	Infections of the Skin and Subcutaneous Tissue	18	1.0
L02	Cutaneous Abscess, Furuncle and Carbuncle	3	0.2
L03	Cellulitis	12	0.6
L08	Other Local Infections of Skin and Subcutaneous Tissue	3	0.2
L50-L54	Urticaria and Erythema	1	0.1
L51	Erythema Multiforme	1	0.1
L80-L99	Other Disorders of the Skin and Subcutaneous Tissue	10	0.5
L81	Other Disorders of Pigmentation	1	0.1
L89	Decubitus Ulcer	9	0.5
M00-M99	Diseases of the Musculoskeletal System and Connective Tissue	110	5.9
M00-M25	Arthropathies	36	1.9
M00-M03	Infectious Arthropathies	5	0.3
M00	Pyogenic Arthritis	5	0.3
M05-M14	Inflammatory Polyarthropathies	25	1.3
M05	Seropositive Rheumatoid Arthritis	5	0.3
M06	Other Rheumatoid Arthritis	18	1.0
M13	Other Arthritis	2	0.1
M15-M19	Arthrosis	6	0.3
M19	Other Arthrosis	6	0.3
M30-M36	Systemic Connective Tissue Disorders	27	1.5
M31	Other Necrotizing Vasculopathies	8	0.4
M32	Systemic Lupus Erythematosus	7	0.4
M33	Dermatopolymyositis	1	0.1
M34	Systemic Sclerosis	6	0.3
M35	Other Systemic Involvement of Connective Tissue	5	0.3
M40-M54	Dorsopathies	8	0.4
M40-M43	Deforming Dorsopathies	3	0.2
M40	Kyphosis and Lordosis	1	0.1
M41	Scoliosis	2	0.1
M45-M49	Spondylopathies	2	0.1
M46	Other Inflammatory Spondylopathies	1	0.1
M48	Other Spondylopathies	1	0.1
M50-M54	Other Dorsopathies	3	0.2
M54	Dorsalgia	3	0.2
M60-M79	Soft Tissue Disorders	14	0.8
M60-M63	Disorders of Muscles	9	0.5
M62	Other Disorders of Muscle	9	0.5
M70-M79	Other Soft Tissue Disorders	5	0.3
M72	Fibroblastic Disorders	5	0.3
M80-M94	Osteopathies and Chondropathies	25	1.3
M80-M85	Disorders of Bone Density and Structure	9	0.5
M80	Osteoporosis with Pathological Fracture	3	0.2
M81	Osteoporosis without Pathological Fracture	4	0.2
M84	Disorders of Continuity of Bone	2	0.1
M86-M90	Other Osteopathies	16	0.9
M86	Osteomyelitis	15	0.8
M88	Paget's Disease of Bone [Osteitis Deformans]	1	0.1
N00-N99	Diseases of the Genitourinary System	607	32.7
N00-N08	Glomerular Diseases	4	0.2
N00	Acute Nephritic Syndrome	4	0.2
N10-N16	Renal Tubulo-Interstitial Diseases	7	0.4
N10	Acute Tubulo-Interstitial Nephritis	4	0.2
N13	Obstructive and Reflux Uropathy	2	0.1
N15	Other Renal Tubulo-Interstitial Diseases	1	0.1

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Causes of Resident Deaths: Number and Rate  
West Virginia, 2013  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
N17-N19	Renal Failure	445	24.0
N17	Acute Renal Failure	77	4.2
N18	Chronic Renal Failure	237	12.8
N19	Unspecified Renal Failure	131	7.1
N20-N23	Urolithiasis	5	0.3
N20	Calculus of Kidney and Ureter	5	0.3
N25-N29	Other Disorders of Kidney and Ureter	34	1.8
N28	Other Disorders of Kidney and Ureter, Not Elsewhere Classified	34	1.8
N30-N39	Other Diseases of the Urinary System	105	5.7
N32	Other Disorders of Bladder	3	0.2
N39	Other Disorders of Urinary System	102	5.5
N40-N51	Diseases of Male Genital Organs	5	0.3
N40	Hyperplasia of Prostate	3	0.2
N41	Inflammatory Diseases of Prostate	1	0.1
N49	Inflammatory Disorders of Male Genital Organs, Not Elsewhere Classified	1	0.1
N80-N98	Noninflammatory Disorders of Female Genital Tract	2	0.1
N82	Fistula Involving Female Genital Tract	1	0.1
N85	Other Noninflammatory Disorders of Uterus, Except Cervix	1	0.1
O00-O99**	Pregnancy, Childbirth and the Puerperium	4	19.2
O10-O16	Edema, Proteinuria and Hypertensive Disorders in Pregnancy, Childbirth and the Puerperium	1	4.8
O14	Gestational [Pregnancy-Induced] Hypertension with Significant Proteinuria	1	4.8
O85-O92	Complications Predominantly Related to the Puerperium	1	4.8
O88	Obstetric Embolism	1	4.8
O95-O99	Other Obstetric Conditions, Not Elsewhere Classified	2	9.6
O95	Obstetric Death of Unspecified Cause	1	4.8
O96	Death from Any Obstetric Cause Occurring More Than 42 Days But Less Than One Year After Delivery	1	4.8
P00-P96	Certain Conditions Originating in the Perinatal Period	57	3.1
P00-P04	Fetus and Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	11	0.6
P00	Fetus and Newborn Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy	1	0.1
P01	Fetus and Newborn Affected by Maternal Complications of Pregnancy	6	0.3
P02	Fetus and Newborn Affected by Complications of Placenta, Cord and Membranes	2	0.1
P03	Fetus and Newborn Affected by Other Complications of Labor and Delivery	2	0.1
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	18	1.0
P05	Slow Fetal Growth and Fetal Malnutrition	1	0.1
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	17	0.9
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	14	0.8
P21	Birth Asphyxia	1	0.1
P22	Respiratory Distress of Newborn	2	0.1
P23	Congenital Pneumonia	3	0.2
P25	Interstitial Emphysema and Related Conditions Originating in the Perinatal Period	1	0.1
P26	Pulmonary Hemorrhage Originating in the Perinatal Period	1	0.1
P28	Other Respiratory Conditions Originating in the Perinatal Period	1	0.1
P29	Cardiovascular Disorders Originating in the Perinatal Period	5	0.3
P35-P39	Infections Specific to the Perinatal Period	5	0.3
P36	Bacterial Sepsis of Newborn	3	0.2
P37	Other Congenital Infectious and Parasitic Diseases	1	0.1
P39	Other Infections Specific to the Perinatal Period	1	0.1
P50-P61	Hemorrhagic and Hematological Disorders of Fetus and Newborn	2	0.1
P52	Intracranial Nontraumatic Hemorrhage of Fetus and Newborn	1	0.1
P54	Other Neonatal Hemorrhages	1	0.1
P75-P78	Digestive System Disorders of Fetus and Newborn	2	0.1
P77	Necrotizing Enterocolitis of Fetus and Newborn	1	0.1
P78	Other Perinatal Digestive System Disorders	1	0.1
P80-P83	Conditions Involving the Integument and Temperature Regulation of Fetus and Newborn	2	0.1
P83	Other Conditions of Integument Specific to Fetus and Newborn	2	0.1
P90-P96	Other Disorders Originating in the Perinatal Period	3	0.2
P96	Other Conditions Originating in the Perinatal Period	3	0.2
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	88	4.7
Q00-Q07	Congenital Malformations of the Nervous System	13	0.7
Q00	Anencephaly and Similar Malformations	1	0.1
Q03	Congenital Hydrocephalus	3	0.2

\*\*Maternal death rates are calculated per 100,000 live births.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Causes of Resident Deaths: Number and Rate  
West Virginia, 2013  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
Q04	Other Congenital Malformations of Brain	7	0.4
Q05	Spina Bifida	2	0.1
Q20-Q28	Congenital Malformations of the Circulatory System	23	1.2
Q20	Congenital Malformations of Cardiac Chambers and Connections	3	0.2
Q21	Congenital Malformations of Cardiac Septa	5	0.3
Q22	Congenital Malformations of Pulmonary and Tricuspid Valves	2	0.1
Q23	Congenital Malformations of Aortic and Mitral Valves	2	0.1
Q24	Other Congenital Malformations of the Heart	5	0.3
Q25	Congenital Malformations of Great Arteries	2	0.1
Q26	Congenital Malformations of Great Veins	1	0.1
Q28	Other Congenital Malformations of Circulatory System	3	0.2
Q30-Q34	Congenital Malformations of the Respiratory System	2	0.1
Q32	Congenital Malformations of Trachea and Bronchus	1	0.1
Q33	Congenital Malformations of Lung	1	0.1
Q38-Q45	Other Congenital Malformations of the Digestive System	4	0.2
Q39	Congenital Malformations of Esophagus	1	0.1
Q43	Other Congenital Malformations of Intestine	1	0.1
Q44	Congenital Malformations of Gallbladder, Bile Ducts and Liver	2	0.1
Q60-Q64	Congenital Malformations of the Urinary System	9	0.5
Q60	Renal Agenesis and Other Reduction Defects of Kidney	1	0.1
Q61	Cystic Kidney Disease	8	0.4
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	6	0.3
Q77	Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine	1	0.1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	5	0.3
Q80-Q89	Other Congenital Malformations	10	0.5
Q82	Other Congenital Malformations of Skin	1	0.1
Q85	Phakomatoses, Not Elsewhere Classified	1	0.1
Q89	Other Congenital Malformations, Not Elsewhere Classified	8	0.4
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	21	1.1
Q90	Down's Syndrome	19	1.0
Q91	Edwards' Syndrome and Patau's Syndrome	2	0.1
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	511	27.5
R00-R09	Symptoms and Signs Involving the Circulatory and Respiratory Systems	27	1.5
R00	Abnormalities of Heart Beat	2	0.1
R02	Gangrene, Not Elsewhere Classified	2	0.1
R04	Hemorrhage from Respiratory Passages	2	0.1
R06	Abnormalities of Breathing	2	0.1
R09	Other Symptoms and Signs Involving the Circulatory and Respiratory Systems	19	1.0
R10-R19	Symptoms and Signs Involving the Digestive System and Abdomen	5	0.3
R11	Nausea and Vomiting	1	0.1
R13	Dysphagia	4	0.2
R47-R49	Symptoms and Signs Involving Speech and Voice	1	0.1
R47	Speech Disturbances, Not Elsewhere Classified	1	0.1
R50-R69	General Symptoms and Signs	146	7.9
R53	Malaise and Fatigue	9	0.5
R54	Senility	55	3.0
R56	Convulsions, Not Elsewhere Classified	3	0.2
R57	Shock, Not Elsewhere Classified	15	0.8
R58	Hemorrhage, Not Elsewhere Classified	6	0.3
R62	Lack of Expected Normal Physiological Development	41	2.2
R64	Cachexia	1	0.1
R68	Other General Symptoms and Signs	16	0.9
R90-R94	Abnormal Findings on Diagnostic Imaging and in Function Studies, without Diagnosis	2	0.1
R91	Abnormal Findings on Diagnostic Imaging of Lung	2	0.1
R95-R99	Ill-Defined and Unknown Causes of Mortality	330	17.8
R95	Sudden Infant Death Syndrome	31	1.7
R96	Other Sudden Death, Cause Unknown	20	1.1
R98	Unattended Death	1	0.1
R99	Other Ill-Defined and Unspecified Causes of Mortality	278	15.0

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

**Causes of Resident Deaths: Number and Rate**  
**West Virginia, 2013**  
**Table 24 (Cont'd)**

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
V01-Y98	External Causes of Morbidity and Mortality	1,903	102.6
V01-V99	Transport Accidents	345	18.6
V01-V09	Pedestrian Injured in Transport Accident	31	1.7
V03	Pedestrian Injured in Collision with Car, Pickup Truck or Van	12	0.6
V04	Pedestrian Injured in Collision with Heavy Transport Vehicle or Bus	4	0.2
V05	Pedestrian Injured in Collision with Railway Train or Railway Vehicle	8	0.4
V09	Pedestrian Injured in Other and Unspecified Transport Accidents	7	0.4
V10-V19	Pedal Cyclist Injured in Transport Accident	1	0.1
V14	Pedal Cyclist Injured in Collision with Heavy Transport Vehicle or Bus	1	0.1
V20-V29	Motorcycle Rider Injured in Transport Accident	20	1.1
V23	Motorcycle Rider Injured in Collision with Car, Pickup Truck or Van	6	0.3
V28	Motorcycle Rider Injured in Noncollision Transport Accident	6	0.3
V29	Motorcycle Rider Injured in Other and Unspecified Transport Accidents	8	0.4
V40-V49	Car Occupant Injured in Transport Accident	42	2.3
V43	Car Occupant Injured in Collision with Car, Pickup Truck or Van	14	0.8
V44	Car Occupant Injured in Collision with Heavy Transport Vehicle or Bus	4	0.2
V47	Car Occupant Injured in Collision with Fixed or Stationary Object	13	0.7
V48	Car Occupant Injured in Noncollision Transport Accident	5	0.3
V49	Car Occupant Injured in Other and Unspecified Transport Accidents	6	0.3
V50-V59	Occupant of Pickup or Van Injured in Transport Accident	28	1.5
V53	Occupant of Pickup or Van Injured in Collision with Car, Pickup Truck or Van	3	0.2
V54	Occupant of Pickup or Van Injured in Collision with Heavy Transport Vehicle or Bus	3	0.2
V55	Occupant of Pickup or Van Injured in Collision with Railway Train or Railway Vehicle	1	0.1
V57	Occupant of Pickup or Van Injured in Collision with Fixed or Stationary Object	1	0.1
V58	Occupant of Pickup or Van Injured in Noncollision Transport Accident	13	0.7
V59	Occupant of Pickup or Van Injured in Other and Unspecified Transport Accidents	7	0.4
V60-V69	Occupant of Heavy Transport Vehicle Injured in Transport Accident	2	0.1
V64	Occupant of Heavy Transport Vehicle Injured in Collision with Heavy Transport Vehicle or Bus	1	0.1
V69	Occupant of Heavy Transport Vehicle Injured in Other and Unspecified Transport Accidents	1	0.1
V80-V89	Other Land Transport Accidents	217	11.7
V84	Occupant of Special Vehicle Mainly Used in Agriculture Injured in Transport Accident	2	0.1
V85	Occupant of Special Construction Vehicle Injured in Transport Accident	1	0.1
V86	Occupant of Motor Vehicle Designed Primarily for Off-Road Use, Injured in Transport Accident	29	1.6
V87	Traffic Accident of Specified Type but Victim's Mode of Transport Unknown	76	4.1
V89	Motor- or Nonmotor-Vehicle Accident, Type of Vehicle Unspecified	109	5.9
V90-V94	Water Transport Accidents	3	0.2
V90	Accident to Watercraft Causing Drowning and Submersion	2	0.1
V92	Water-Transport-Related Drowning and Submersion without Accident to Watercraft	1	0.1
V95-V97	Air and Space Transport Accidents	1	0.1
V95	Accident to Powered Aircraft Causing Injury to Occupant	1	0.1
W00-X59	Other External Causes of Accidental Injury	1,045	56.3
W00-W19	Falls	270	14.6
W00	Fall on Same Level Involving Ice and Snow	3	0.2
W01	Fall on Same Level from Slipping, Tripping and Stumbling	17	0.9
W04	Fall while Being Carried or Supported by Other Persons	1	0.1
W05	Fall Involving Wheelchair	1	0.1
W06	Fall Involving Bed	13	0.7
W07	Fall Involving Chair	6	0.3
W08	Fall Involving Other Furniture	1	0.1
W10	Fall on and from Stairs and Steps	32	1.7
W11	Fall on and from Ladder	3	0.2
W12	Fall on and from Scaffolding	3	0.2
W13	Fall from, out of or through Building or Structure	6	0.3
W14	Fall from Tree	2	0.1
W16	Diving or Jumping into Water Causing Injury Other Than Drowning or Submersion	1	0.1
W17	Other Fall from One Level to Another	2	0.1
W18	Other Fall on Same Level	111	6.0
W19	Unspecified Fall	68	3.7

**Causes of Resident Deaths: Number and Rate**  
**West Virginia, 2013**  
**Table 24 (Cont'd)**

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
W20-W49	Exposure to Inanimate Mechanical Forces	47	2.5
W20	Struck by Thrown, Projected or Falling Object	19	1.0
W22	Striking against or Struck by Other Objects	2	0.1
W23	Caught, Crushed, Jammed or Pinched in or between Objects	3	0.2
W28	Contact with Powered Lawnmower	3	0.2
W30	Contact with Agricultural Machinery	6	0.3
W31	Contact with Other and Unspecified Machinery	5	0.3
W33	Rifle, Shotgun and Larger Firearm Discharge	1	0.1
W34	Discharge from Other and Unspecified Firearms	1	0.1
W40	Explosion of Other Materials	4	0.2
W49	Exposure to Other and Unspecified Inanimate Mechanical Forces	3	0.2
W50-W64	Exposure to Animate Mechanical Forces	3	0.2
W50	Hit, Struck, Kicked, Twisted, Bitten or Scratched by Another Person	1	0.1
W55	Bitten or Struck by Other Mammals	1	0.1
W57	Bitten or Stung by Nonvenomous Insect and Other Nonvenomous Arthropods	1	0.1
W65-W74	Accidental Drowning and Submersion	15	0.8
W65	Drowning and Submersion while in Bathtub	3	0.2
W67	Drowning and Submersion while in Swimming Pool	3	0.2
W69	Drowning and Submersion while in Natural Water	7	0.4
W70	Drowning and Submersion Following Fall in Natural Water	1	0.1
W73	Other Specified Drowning and Submersion	1	0.1
W75-W84	Other Accidental Threats to Breathing	72	3.9
W75	Accidental Suffocation and Strangulation in Bed	7	0.4
W76	Other Accidental Hanging and Strangulation	2	0.1
W78	Inhalation of Gastric Contents	3	0.2
W79	Inhalation and Ingestion of Food Causing Obstruction of Respiratory Tract	15	0.8
W80	Inhalation and Ingestion of Other Objects Causing Obstruction of Respiratory Tract	44	2.4
W84	Unspecified Threat to Breathing	1	0.1
W85-W99	Exposure to Electric Current, Radiation and Extreme Ambient Air Temperature and Pressure	6	0.3
W85	Exposure to Electric Transmission Lines	4	0.2
W86	Exposure to Other Specified Electric Current	2	0.1
X00-X09	Exposure to Smoke, Fire and Flames	34	1.8
X00	Exposure to Uncontrolled Fire in Building or Structure	24	1.3
X03	Exposure to Controlled Fire, Not in Building or Structure	1	0.1
X04	Exposure to Ignition of Highly Flammable Material	1	0.1
X06	Exposure to Ignition or Melting of Other Clothing and Apparel	1	0.1
X08	Exposure to Other Specified Smoke, Fire and Flames	2	0.1
X09	Exposure to Unspecified Smoke, Fire and Flames	5	0.3
X10-X19	Contact with Heat and Hot Substances	1	0.1
X11	Contact with Hot Tap-Water	1	0.1
X20-X29	Contact with Venomous Animals and Plants	3	0.2
X23	Contact with Hornets, Wasps and Bees	3	0.2
X30-X39	Exposure to Forces of Nature	4	0.2
X31	Exposure to Excessive Natural Cold	3	0.2
X38	Victim of Flood	1	0.1
X40-X49	Accidental Poisoning by and Exposure to Noxious Substances	555	29.9
X40	Accidental Poisoning by Nonopioid Analgesics, Antipyretics and Antirheumatics	1	0.1
X41	Accidental Poisoning by Antiepileptic, Sedative-hypnotic, Antiparkinsonism and Psychotropic Drugs	22	1.2
X42	Accidental Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Not Elsewhere Classified	137	7.4
X44	Accidental Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances	373	20.1
X45	Accidental Poisoning by Alcohol	13	0.7
X46	Accidental Poisoning by Organic Solvents and Halogenated Hydrocarbons and Their Vapors	1	0.1
X47	Accidental Poisoning by Other Gases and Vapors	7	0.4
X49	Accidental Poisoning by Other and Unspecified Chemicals and Noxious Substances	1	0.1
X58-X59	Accidental Exposure to Other and Unspecified Factors	35	1.9
X59	Exposure to Unspecified Factors	35	1.9
X60-X84	Intentional Self-Harm	324	17.5
X60	Intentional Self-Poisoning by Nonopioid Analgesics, Antipyretics and Antirheumatics	3	0.2

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Causes of Resident Deaths: Number and Rate  
West Virginia, 2013  
Table 24 (Cont'd)

ICDA-10 Code Number	Cause of Death	Number of Deaths	Rate
X61	Intentional Self-Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs	10	0.5
X63	Intentional Self-Poisoning by Other Drugs Acting on the Autonomic Nervous System	1	0.1
X64	Intentional Self-Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances	13	0.7
X66	Intentional Self-Poisoning by Organic Solvents and Halogenated Hydrocarbons and Their Vapors	2	0.1
X67	Intentional Self-Poisoning by Other Gases and Vapors	6	0.3
X70	Intentional Self-Harm by Hanging, Strangulation and Suffocation	45	2.4
X71	Intentional Self-Harm by Drowning and Submersion	2	0.1
X72	Intentional Self-Harm by Handgun Discharge	100	5.4
X73	Intentional Self-Harm by Rifle, Shotgun and Larger Firearm Discharge	43	2.3
X74	Intentional Self-Harm by Other and Unspecified Firearm Discharge	82	4.4
X76	Intentional Self-Harm by Smoke, Fire and Flames	2	0.1
X78	Intentional Self-Harm by Sharp Object	4	0.2
X80	Intentional Self-Harm by Jumping from a High Place	4	0.2
X81	Intentional Self-Harm by Jumping or Lying Before a Moving Object	5	0.3
X82	Intentional Self-Harm by Crashing a Motor Vehicle	2	0.1
X85-Y09	Assault	72	3.9
X85	Assault by Drugs, Medicaments and Biological Substances	1	0.1
X91	Assault by Hanging, Strangulation and Suffocation	3	0.2
X93	Assault by Handgun Discharge	10	0.5
X94	Assault by Rifle, Shotgun and Larger Firearm Discharge	11	0.6
X95	Assault by Other and Unspecified Firearm Discharge	22	1.2
X97	Assault by Smoke, Fire and Flames	1	0.1
X99	Assault by Sharp Object	9	0.5
Y06	Neglect and Abandonment	1	0.1
Y07	Other Maltreatment Syndromes	2	0.1
Y08	Assault by Other Specified Means	3	0.2
Y09	Assault by Unspecified Means	9	0.5
Y10-Y34	Event of Undetermined Intent	62	3.3
Y11	Poisoning by Antiepileptic, Sedative-Hypnotic, Antiparkinsonism and Psychotropic Drugs, Undetermined	3	0.2
Y12	Poisoning by Narcotics and Psychodysleptics [Hallucinogens], Undetermined Intent	1	0.1
Y14	Poisoning by Other and Unspecified Drugs, Medicaments and Biological Substances, Undetermined Intent	14	0.8
Y17	Poisoning by Other Gases and Vapors, Undetermined Intent	4	0.2
Y20	Hanging, Strangulation and Suffocation, Undetermined Intent	1	0.1
Y21	Drowning and Submersion, Undetermined Intent	3	0.2
Y22	Handgun Discharge, Undetermined Intent	1	0.1
Y24	Other and Unspecified Firearm Discharge, Undetermined Intent	2	0.1
Y26	Exposure to Smoke, Fire and Flames, Undetermined Intent	15	0.8
Y29	Contact with Blunt Object, Undetermined Intent	1	0.1
Y33	Other Specified Events, Undetermined Intent	2	0.1
Y34	Unspecified Event, Undetermined Intent	15	0.8
Y35-Y36	Legal Intervention and Operations of War	7	0.4
Y35	Legal Intervention	7	0.4
Y40-Y84	Complications of Medical and Surgical Care	19	1.0
Y40-Y59	Drugs, Medicaments and Biological Substances Causing Adverse Effects in Therapeutic Use	1	0.1
Y57	Other and Unspecified Drugs and Medicaments	1	0.1
Y83-Y84	Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	18	1.0
Y83	Surgical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	16	0.9
Y84	Other Medical Procedures as the Cause of Abnormal Reaction, Not Noticed at the Time of the Procedure	2	0.1
Y85-Y89	Sequelae of External Causes of Morbidity and Mortality	29	1.6
Y85	Sequelae of Transport Accidents	13	0.7
Y86	Sequelae of Other Accidents	8	0.4
Y87	Sequelae of Intentional Self-Harm, Assault and Event of Undetermined Intent	5	0.3
Y88	Sequelae of Surgical and Medical Care as External Cause	3	0.2

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number by Race and Gender  
West Virginia, 2013  
Table 25

Selected Causes of Death	Number by Race and Gender						Total
	White or Caucasian*		Black or African		All Other Races		
	Male	Female	Male	Female	Male	Female	
Fetal Deaths	43	41	3	5	0	1	93
Total Deaths, All Causes	10,715	10,429	337	312	26	27	21,846
--Deaths Under One Year	78	59	10	9	1	0	157
--Deaths Under 28 Days	38	44	5	5	1	0	93
Tuberculosis	2	0	0	0	0	0	2
Septicemia	147	171	6	7	0	0	331
Human Immunodeficiency Virus Infection	12	2	5	0	0	0	19
Malignant Neoplasms	2,462	2,096	81	67	6	5	4,717
--of Digestive Organs	622	452	23	16	1	1	1,115
----Colon	199	199	5	5	1	0	409
----Pancreas	132	115	3	3	0	0	253
--of Respiratory and Intrathoracic Organs	835	615	28	14	2	1	1,495
----Trachea, Bronchus and Lung	799	599	25	13	2	1	1,439
--of Breast	7	266	0	11	0	0	284
--of Genitourinary Organs	323	316	11	9	1	1	661
----Cervix Uteri	0	34	0	0	0	0	34
----Ovary	0	100	0	4	0	0	104
----Prostate	169	0	8	0	1	0	178
----Bladder	82	45	2	1	0	0	130
--All Other (Malignant Neoplasms)	675	447	19	17	2	2	1,162
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	50	42	4	1	0	0	97
Diabetes Mellitus	427	361	24	25	2	2	841
Dementia	364	708	4	13	2	1	1,092
Alzheimer's Disease	154	427	3	6	0	0	590
Major Cardiovascular Disease	2,946	3,052	86	92	7	8	6,191
--Diseases of the Heart	2,335	2,201	65	61	5	5	4,672
----Ischemic Heart Disease	1,595	1,267	35	32	2	4	2,935
--Essential Hypertension and Hypertensive Renal Disease	114	152	8	6	0	1	281
--Cerebrovascular Diseases (Stroke)	390	566	8	20	1	2	987
--Arteriosclerosis	27	50	0	3	1	0	81
--Other Diseases of Arteries, Arterioles and Capillaries	80	83	5	2	0	0	170
Influenza and Pneumonia	215	258	3	6	0	0	482
--Influenza	12	14	0	1	0	0	27
--Pneumonia	203	244	3	5	0	0	455
Chronic Lower Respiratory Diseases	775	787	12	13	0	2	1,589
--Bronchitis, Emphysema and Asthma	75	55	0	2	0	0	132
Lung Diseases due to External Agents	113	53	3	0	0	0	169
--Coal Worker's Pneumoconiosis	24	0	0	0	0	0	24
Chronic Liver Disease and Cirrhosis	195	92	2	4	0	0	293
Nephritis, Nephrotic Syndrome and Nephrosis	203	233	4	9	0	0	449
Congenital Malformations	47	34	2	4	1	0	88
Ill-Defined and Unknown Causes of Death	174	141	8	6	0	1	330
Accidents, All Forms	868	497	30	11	4	1	1,411
--Motor Vehicle	222	100	5	2	2	1	332
--Falls	123	143	2	2	0	0	270
--Drownings	11	3	0	1	0	0	15
--Smoke, Fire and Flames	25	9	0	0	0	0	34
--Poisonings	348	180	21	4	2	0	555
--Other Accidents	139	62	2	2	0	0	205
Intentional Self-Harm (Suicide)	264	54	5	0	1	0	324
Assault (Homicide)	44	18	13	1	0	0	76
Injury Undetermined Whether Accidental or Purposely Inflicted	32	26	3	1	1	0	63
All Other Causes (Residual)	1,221	1,377	39	46	2	7	2,692

\* Includes six deaths with an unknown race.

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths by Age Group  
West Virginia, 2013  
Table 26

Selected Causes of Death	Total	Age In Years										Average Age at Death
		Less Than One	1-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 and Over	
Total Deaths, All Causes	21,846	157	79	178	425	667	1,597	3,053	4,363	5,413	5,914	72.1
--Deaths Under One Year	157	157	0	0	0	0	0	0	0	0	0	0.1
--Deaths Under 28 Days	93	93	0	0	0	0	0	0	0	0	0	0.0
Tuberculosis	2	0	0	0	0	0	0	2	0	0	0	61.0
Septicemia	331	2	0	1	5	11	26	44	80	87	75	71.8
Human Immunodeficiency Virus Infection	19	0	0	0	3	3	7	4	0	2	0	48.9
Malignant Neoplasms	4,717	2	9	8	27	92	368	988	1,361	1,198	664	70.3
--of Digestive Organs	1,115	0	2	0	4	22	80	245	299	310	153	70.5
----Colon	409	0	0	0	3	10	21	67	113	120	75	72.4
----Pancreas	253	0	0	0	0	2	17	59	73	70	32	70.8
--of Respiratory and Intrathoracic Organs	1,495	0	0	1	2	13	128	347	508	360	136	69.4
----Trachea, Bronchus and Lung	1,439	0	0	1	1	12	121	326	491	353	134	69.6
--of Breast	284	0	0	0	3	17	35	65	65	58	41	67.7
--of Genitourinary Organs	661	0	1	2	7	15	32	124	162	170	148	72.5
----Cervix Uteri	34	0	0	0	4	7	5	8	2	4	4	57.9
----Ovary	104	0	0	0	1	1	8	29	25	27	13	69.6
----Prostate	178	0	0	0	0	0	2	17	47	48	64	78.4
----Bladder	130	0	0	0	0	2	6	19	31	35	37	75.4
--All Other (Malignant Neoplasms)	1,162	2	6	5	11	25	93	207	327	300	186	70.4
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	97	0	0	1	0	0	5	11	28	29	23	74.7
Diabetes Mellitus	841	0	0	2	5	20	64	172	224	203	151	70.9
Dementia	1,092	0	0	0	0	0	3	8	80	298	703	86.3
Alzheimer's Disease	590	0	0	0	0	1	0	5	36	175	373	86.0
Major Cardiovascular Disease	6,191	1	3	3	34	115	363	698	1,097	1,667	2,210	76.8
--Diseases of the Heart	4,672	0	2	2	28	100	296	539	862	1,220	1,623	76.3
----Ischemic Heart Disease	2,935	0	0	0	9	60	204	370	582	776	934	75.5
--Essential Hypertension and Hypertensive Renal Disease	281	0	0	0	0	4	33	37	48	58	101	75.4
--Cerebrovascular Diseases (Stroke)	987	1	1	1	3	9	31	98	146	312	385	78.8
--Arteriosclerosis	81	0	0	0	0	0	0	4	8	26	43	83.8
--Other Diseases of Arteries, Arterioles and Capillaries	170	0	0	0	3	2	3	20	33	51	58	76.9
Influenza and Pneumonia	482	0	3	0	5	12	16	33	80	131	202	78.4
--Influenza	27	0	1	0	1	0	1	1	7	4	12	77.3
--Pneumonia	455	0	2	0	4	12	15	32	73	127	190	78.4
Chronic Lower Respiratory Diseases	1,589	0	0	2	2	10	78	204	429	498	366	74.9
--Bronchitis, Emphysema and Asthma	132	0	0	2	2	5	12	24	28	36	23	70.1
Lung Diseases due to External Agents	169	0	1	0	1	2	11	16	23	50	65	77.4
--Coal Workers Pneumoconiosis	24	0	0	0	0	0	0	5	2	11	6	77.3
Chronic Liver Disease and Cirrhosis	293	0	0	0	3	19	71	86	73	30	11	61.2
Nephritis, Nephrotic Syndrome and Nephrosis	449	0	1	2	1	4	18	37	91	134	161	77.8
Congenital Malformations	88	43	6	4	3	2	5	11	7	5	2	25.9
III-Defined and Unknown Causes of Death	330	31	1	0	1	3	24	78	69	62	61	64.8
Accidents, All Forms	1,411	8	22	99	222	215	249	182	113	147	154	52.4
--Motor Vehicle	332	1	10	56	59	42	59	48	25	25	7	44.5
--Falls	270	0	0	1	2	5	16	18	42	84	102	77.6
--Drownings	15	0	2	1	1	5	5	0	0	1	0	39.2
--Smoke, Fire and Flames	34	0	4	1	4	0	1	6	6	7	5	58.1
--Poisonings	555	0	0	34	146	145	146	70	12	1	1	41.8
--Other Accidents	205	7	6	6	10	18	22	40	28	29	39	60.6
Intentional Self-Harm (Suicide)	324	0	5	21	47	57	64	62	45	19	4	49.3
Assault (Homicide)	76	3	4	13	19	11	11	11	1	2	1	36.3
Injury Undetermined Whether Accidental or Purposely Inflicted	63	1	7	5	10	9	6	13	9	2	1	43.4
All Other Causes (Residual)	2,692	66	17	17	37	81	208	388	517	674	687	70.6

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Selected Causes of Resident Deaths by Month of Occurrence  
West Virginia, 2013  
Table 27

Selected Causes of Death	Number of Deaths per Month												Total
	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec	
Fetal Deaths	11	9	6	8	8	4	3	7	10	9	10	9	94
Total Deaths, All Causes	2,140	1,744	1,994	1,855	1,893	1,661	1,682	1,748	1,714	1,792	1,726	1,897	21,846
--Deaths Under One Year	11	8	8	13	10	14	11	16	12	20	16	18	157
--Deaths Under 28 Days	5	8	3	6	4	7	6	11	9	11	9	14	93
Tuberculosis	0	1	0	0	0	0	0	0	1	0	0	0	2
Septicemia	32	35	38	25	23	23	17	23	25	33	32	25	331
Human Immunodeficiency Virus Infection	0	2	2	2	2	2	3	1	2	1	2	0	19
Malignant Neoplasms	398	361	435	385	416	365	350	420	395	398	344	450	4,717
--of Digestive Organs	81	97	116	101	108	80	83	98	93	82	82	94	1,115
----Colon	36	37	37	41	42	26	29	41	31	30	28	31	409
----Pancreas	16	23	31	24	26	20	17	18	17	18	18	25	253
--of Respiratory and Intrathoracic Organs	121	107	118	126	133	119	114	149	140	122	94	152	1,495
----Trachea, Bronchus and Lung	116	105	112	119	131	113	108	144	137	118	88	148	1,439
--of Breast	24	17	29	25	24	27	20	27	29	20	23	19	284
--of Genitourinary Organs	65	45	57	47	64	42	44	49	44	75	51	78	661
----Cervix Uteri	1	2	2	3	2	3	3	4	3	2	2	7	34
----Ovary	7	6	7	6	9	11	5	11	6	15	7	14	104
----Prostate	17	7	14	23	15	9	9	15	14	21	11	23	178
----Bladder	11	14	12	9	15	5	11	4	4	18	17	10	130
--All Other (Malignant Neoplasms)	107	95	115	86	87	97	89	97	89	99	94	107	1,162
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	7	10	9	5	7	6	5	6	8	11	10	13	97
Diabetes Mellitus	68	73	68	81	68	69	58	68	71	63	75	79	841
Dementia	135	79	117	82	111	64	71	86	74	89	102	82	1,092
Alzheimer's Disease	68	44	48	42	47	37	51	51	35	58	56	53	590
Major Cardiovascular Disease	643	472	572	513	553	489	479	459	462	489	510	550	6,191
--Diseases of the Heart	474	352	422	385	433	358	380	362	329	364	388	425	4,672
----Ischemic Heart Disease	296	236	263	245	250	219	275	214	185	223	240	289	2,935
--Essential Hypertension and Hypertensive Renal Disease	35	22	31	18	20	29	21	20	23	17	23	22	281
--Cerebrovascular Diseases (Stroke)	115	76	99	82	80	84	61	58	90	88	72	82	987
--Arteriosclerosis	5	9	5	9	8	6	4	8	5	4	10	8	81
--Other Diseases of Arteries, Arterioles and Capillaries	14	13	15	19	12	12	13	11	15	16	17	13	170
Influenza and Pneumonia	80	56	46	41	33	28	34	38	27	36	23	40	482
--Influenza	16	5	3	0	0	0	0	0	0	0	1	2	27
--Pneumonia	64	51	43	41	33	28	34	38	27	36	22	38	455
Chronic Lower Respiratory Diseases	153	133	149	167	141	111	128	112	126	117	124	128	1,589
--Bronchitis, Emphysema and Asthma	8	12	13	18	15	14	10	11	7	8	6	10	132
Lung Diseases due to External Agents	22	21	9	10	18	10	10	19	19	14	7	10	169
--Coal Worker's Pneumoconiosis	5	5	1	0	3	2	0	3	2	2	1	0	24
Chronic Liver Disease and Cirrhosis	27	16	24	21	29	24	21	26	30	23	22	30	293
Nephritis, Nephrotic Syndrome and Nephrosis	44	45	43	42	28	26	30	41	34	38	38	40	449
Congenital Malformations	10	5	8	6	5	7	4	10	7	8	8	10	88
Ill-Defined and Unknown Causes of Death	43	26	32	28	29	26	25	22	21	26	25	27	330
Accidents, All Forms	110	107	108	123	129	117	121	121	129	129	119	98	1,411
--Motor Vehicle	19	24	27	28	30	29	28	27	32	41	29	18	332
--Falls	29	19	12	32	28	18	16	27	20	25	22	22	270
--Drownings	0	2	1	0	1	7	2	1	0	1	0	0	15
--Smoke, Fire and Flames	6	4	3	2	1	3	2	0	2	5	2	4	34
--Poisonings	42	41	49	44	47	45	51	52	54	42	50	38	555
--Other Accidents	14	17	16	17	22	15	22	14	21	15	16	16	205
Intentional Self-Harm (Suicide)	29	23	29	34	31	29	28	24	26	22	25	24	324
Assault (Homicide)	11	7	5	6	5	7	9	5	6	8	3	4	76
Injury Undetermined Whether Accidental or Purposely Inflicted	2	4	11	3	6	7	4	2	6	12	2	4	63
All Other Causes (Residual)	258	224	241	239	212	214	234	214	210	217	199	230	2,692

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West Virginia Vital Statistics  
**Infant & Fetal Deaths**



## Infant and Fetal Death Summary

Deaths of infants under one year of age increased by five, from 152 in 2012 to 157 in 2013. West Virginia's infant mortality rate also rose, from 7.3 per 1,000 live births in 2012 to 7.5 in 2013. The U.S. infant mortality was 6.0 in 2013.

The following table shows the decline in the national and state infant mortality rates from 1950 through 2013.

**1950 – 2013 Infant Mortality**  
**West Virginia and United States**  
(Number and Rate per 1,000 Live Births)

Year	West Virginia	United States
1950	31.4	29.2
1955	27.1	26.4
1960	25.3	26.0
1965	27.1	24.5
1970	23.3	20.0
1975	18.3	16.1
1980	11.8	12.6
1985	10.7	10.6
1990	9.8	9.1
1995	7.6	7.5
2000	7.6	6.9
2005	8.1	6.9
2006	7.4	6.7
2007	7.4	6.8
2008	7.7	6.6
2009	7.8	6.4
2010	7.3	6.1
2011	6.8	6.0
2012	7.3	6.0
2013	7.5	6.0

The state's 2013 white infant mortality rate increased from 6.9 in 2012 to 7.3 in 2013, while the rate for black infants decreased from 19.6 to 13.6 (see Statistical Variation in Appendix B, page 167). West Virginia's 2013 race-specific infant mortality rates and comparable U.S. rates are shown in the table on the following page.

## 2013 West Virginia and United States Infant Mortality by Race of Infant (Number and Rate per 1,000 Live Births)

Race of Infant	West Virginia		United States*	
	Number	Rate	Number	Rate
All Races	157	7.5	23,440	6.0
White	143	7.3	15,125	5.1
Black	10	13.6	7,123	11.2
Other	4	10.6	1,192	3.7

\*Source: [http://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64\\_02.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64_02.pdf)

Approximately one out of five (19.7%) infant deaths in 2013 was due to SIDS (sudden infant death syndrome). More than one in four (27.4%) was the result of congenital malformations, while 36.3% were due to certain conditions originating in the perinatal period, including disorders relating to short gestation and unspecified low birthweight (10.8%).

### Neonatal/Postneonatal Deaths

The number of neonatal deaths dropped by three, from 96 in 2012 to 93 in 2013; the neonatal death rate also decreased, from 4.6 deaths among infants aged less than 28 days per 1,000 live births in 2012 to 4.5 in 2013. Neonatal deaths comprised 59.2% of all West Virginia resident infant deaths in 2013, compared with 63.2% in 2012. The rate of postneonatal deaths rose from 2.7 deaths per 1,000 neonatal survivors in 2012 to 3.1 in 2013. The 2013 U.S. neonatal death rate was 4.0, while the postneonatal rate was 1.9 deaths per 1,000 neonatal survivors.

### Fetal Deaths

The 94 resident fetal deaths reported with a birthweight of at least 350 grams or occurring after 20 or more weeks of gestation (if the weight is unknown) in 2013 were six more than in 2012 (88). The fetal death ratio also increased, from 4.2 deaths per 1,000 live births in 2012 to 4.5 in 2013. The majority (90.4%) of fetal deaths were due to conditions originating in the perinatal period, including complications of placenta, cord and membrane (23.4%), maternal conditions (9.6%), maternal complications (11.7%), short gestation and low birthweight (7.4%) and other ill-defined perinatal conditions (28.7%). Congenital malformations accounted for 8.5% of all fetal deaths.

Fetal Deaths, Neonatal Deaths and Postneonatal Deaths: Number and Rate/Ratio  
West Virginia Resident Deaths, 1925-2013

Table 28

Year	Fetal Deaths		Neonatal Deaths		Postneonatal Deaths		
	Number	Ratio per 1,000 Live Births	Number	Rate per 1,000 Live Births	Number	Rate per 1,000 Live Births	Rate per 1,000 Neonatal Survivors*
1925	1,740	38.5	N/A	N/A	N/A	N/A	N/A
1930	1,547	37.2	N/A	N/A	N/A	N/A	N/A
1935	1,647	39.4	1,467	35.1	1,071	25.6	26.6
1940	1,483	35.4	1,321	31.5	937	22.4	23.1
1945	1,594	41.5	1,085	28.2	928	24.1	24.8
1950	1,126	22.1	1,184	23.3	665	13.1	13.4
1955	813	18.4	847	19.2	351	7.9	8.1
1960	583	14.7	713	18.0	292	7.4	7.5
1965	575	18.0	649	20.3	218	6.8	7.0
1970	513	17.0	542	18.0	163	5.4	5.5
1975	323	11.6	385	13.8	128	4.6	4.6
1980	275	9.3	235	8.0	112	3.8	3.8
1985	208	8.6	175	7.3	82	3.4	3.4
1990	168	7.4	142	6.3	80	3.5	3.6
1995	143	6.8	103	4.9	57	2.7	2.7
2000	142	6.8	103	4.9	56	2.7	2.7
2005	115	5.5	106	5.1	62	3.0	3.0
2010	83	4.1	82	4.0	68	3.3	3.3
2011	90	4.3	86	4.2	55	2.7	2.7
2012	88	4.2	96	4.6	56	2.7	2.7
2013	94	4.5	93	4.5	64	3.1	3.1

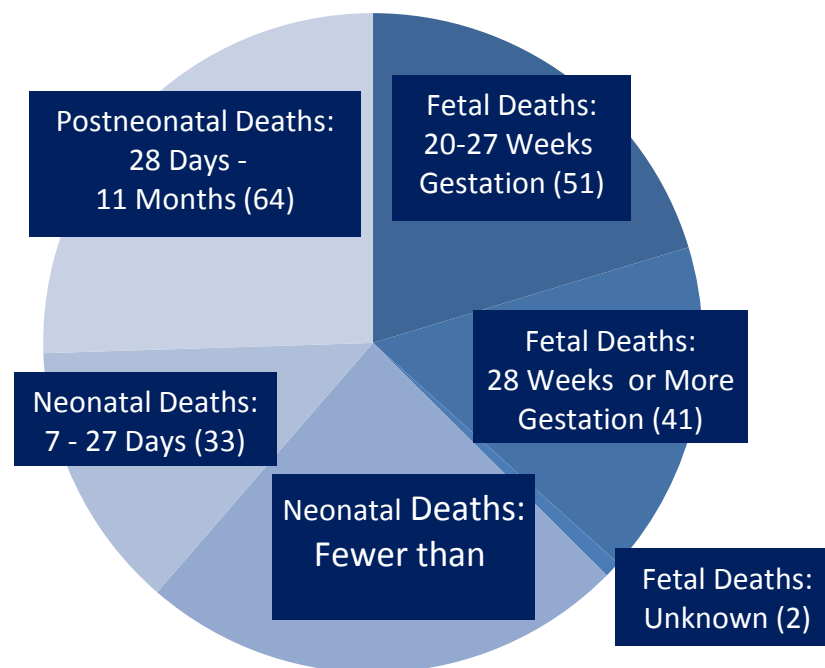
\*Neonatal Survivors are live births minus neonatal deaths

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## Fetal Deaths, Neonatal Deaths and Postneonatal Deaths West Virginia Resident Perinatal Deaths, 2013

Exhibit 14



West Virginia Bureau for Public Health  
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Causes of Resident Infant Deaths by Age  
West Virginia, 2013  
Table 29

ICDA 10 Code Number	Cause of Death	Under 1 Day	1 to 6 Days	7 to 27 Days	28 Days to 11 Months	Total
A00-Z99	Total Deaths, All Causes	47	13	33	64	157
A00-B99	Certain Infectious and Parasitic Diseases	0	0	1	5	6
A00-A09	Intestinal Infectious Diseases	0	0	0	2	2
A09	Diarrhea and Gastroenteritis of Presumed Infectious Origin	0	0	0	2	2
A30-A49	Other Bacterial Diseases	0	0	0	3	3
A37	Whooping Cough	0	0	0	1	1
A41	Other Septicemia	0	0	0	2	2
B25-B34	Other Viral Diseases	0	0	1	0	1
B34	Viral Infection of Unspecified Site	0	0	1	0	1
C00-D48	Neoplasms	0	0	0	2	2
C00-C97	Malignant Neoplasms	0	0	0	2	2
C69-C72	Malignant Neoplasms of Eye, Brain and Other Parts of Central Nervous System	0	0	0	2	2
C71	Malignant Neoplasm of Brain	0	0	0	2	2
E00-E90	Endocrine, Nutritional and Metabolic Diseases	0	0	1	0	1
E70-E90	Metabolic Disorders	0	0	1	0	1
E84	Cystic Fibrosis	0	0	1	0	1
G00-G99	Diseases of the Nervous System	0	0	1	3	4
G00-G09	Inflammatory Diseases of the Central Nervous System	0	0	0	1	1
G00	Bacterial Meningitis, Not Elsewhere Classified	0	0	0	1	1
G70-G73	Diseases of Myoneural Junction and Muscle	0	0	0	2	2
G70	Myasthenia Gravis and Other Myoneural Disorders	0	0	0	1	1
G71	Primary Disorders of Muscles	0	0	0	1	1
G90-G99	Other Disorders of the Nervous System	0	0	1	0	1
G93	Other Disorders of Brain	0	0	1	0	1
I00-I99	Diseases of the Circulatory System	0	0	0	1	1
I60-I69	Cerebrovascular Diseases	0	0	0	1	1
I61	Intracerebral Hemorrhage	0	0	0	1	1
P00-P96	Certain Conditions Originating in the Perinatal Period	35	10	10	2	57
P00-P04	Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	8	1	1	1	11
P00	Newborn Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy	1	0	0	0	1
P00.0	Maternal Hypertensive Disorders	1	0	0	0	1
P01	Newborn Affected by Maternal Complications of Pregnancy	4	1	1	0	6
P01.0	Incompetent Cervix	1	0	0	0	1
P01.1	Premature Rupture of Membranes	2	0	1	0	3
P01.2	Oligohydramnios	1	1	0	0	2
P02	Newborn Affected by Complications of Placenta, Cord and Membranes	2	0	0	0	2
P02.1	Other Forms of Placenta Separation and Hemorrhage	1	0	0	0	1
P02.7	Chorioamnionitis	1	0	0	0	1
P03	Newborn Affected by Other Complications of Labor and Delivery	1	0	0	1	2
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	16	2	0	0	18
P05	Slow Fetal Growth and Fetal Malnutrition	1	0	0	0	1
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	15	2	0	0	17
P07.2	Extreme Immaturity	12	2	0	0	14
P07.3	Other Preterm Infants	3	0	0	0	3
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	3	4	6	1	14
P21	Birth Asphyxia	0	1	0	0	1
P22	Respiratory Distress of Newborn	0	1	1	0	2
P22.0	Respiratory Distress Syndrome	0	1	1	0	2
P23	Congenital Pneumonia	0	0	2	1	3
P25	Interstitial Emphysema and Related Conditions Originating in the Perinatal Period	0	1	0	0	1
P26	Pulmonary Hemorrhage Originating in the Perinatal Period	0	1	0	0	1
P28	Other Respiratory Conditions Originating in the Perinatal Period	0	0	1	0	1
P29	Cardiovascular Disorders Originating in the Perinatal Period	3	0	2	0	5
P29.0	Neonatal Cardiac Failure	1	0	2	0	3
P29.1	Neonatal Cardiac Dysrhythmia	1	0	0	0	1
P29.8	Other Cardiovascular Disorders Originating in the Perinatal Period	1	0	0	0	1
P35-P39	Infections Specific to the Perinatal Period	2	0	3	0	5
P36	Bacterial Sepsis of Newborn	1	0	2	0	3
P37	Other Congenital Infectious and Parasitic Diseases	0	0	1	0	1
P39	Other Infections Specific to the Perinatal Period	1	0	0	0	1

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Health Statistics Center, 2016

Causes of Resident Infant Deaths by Age

West Virginia, 2013  
Table 29 (Cont'd)

ICDA 10 Code Number	Cause of Death	Under 1 Day	1 to 6 Days	7 to 27 Days	28 Days to 11 Months	Total
P50-P61	Hemorrhagic and Hematological Disorders of Newborn	0	2	0	0	2
P52	Intracranial Nontraumatic Hemorrhage of Newborn	0	1	0	0	1
P54	Other Neonatal Hemorrhages	0	1	0	0	1
P75-P78	Digestive System Disorders of Newborn	1	1	0	0	2
P77	Necrotizing Enterocolitis of Newborn	0	1	0	0	1
P78	Other Perinatal Digestive System Disorders	1	0	0	0	1
P80-P83	Conditions Involving the Integument and Temperature Regulation of Newborn	2	0	0	0	2
P83	Other Conditions of Integument Specific to Newborn	2	0	0	0	2
P90-P96	Other Disorders Originating in the Perinatal Period	3	0	0	0	3
P96	Other Conditions Originating in the Perinatal Period	3	0	0	0	3
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	12	2	15	14	43
Q00-Q07	Congenital Malformations of the Nervous System	4	0	3	2	9
Q00	Anencephaly and Similar Malformations	1	0	0	0	1
Q03	Congenital Hydrocephalus	1	0	0	2	3
Q04	Other Congenital Malformations of Brain	1	0	3	0	4
Q05	Spina Bifida	1	0	0	0	1
Q20-Q28	Congenital Malformations of the Circulatory System	0	1	7	5	13
Q20	Congenital Malformations of Cardiac Chambers and Connections	0	0	2	1	3
Q22	Congenital Malformations of Pulmonary and Tricuspid Valves	0	1	1	0	2
Q23	Congenital Malformations of Aortic and Mitral Valves	0	0	2	0	2
Q24	Other Congenital Malformations of the Heart	0	0	0	3	3
Q25	Congenital Malformations of Great Arteries	0	0	1	1	2
Q26	Congenital Malformations of Great Veins	0	0	1	0	1
Q30-Q34	Congenital Malformations of the Respiratory System	2	0	0	0	2
Q32	Congenital Malformations of Trachea and Bronchus	1	0	0	0	1
Q33	Congenital Malformations of Lung	1	0	0	0	1
Q38-Q45	Other Congenital Malformations of the Digestive System	0	0	2	0	2
Q39	Congenital Malformations of Esophagus	0	0	1	0	1
Q43	Other Congenital Malformations of Intestine	0	0	1	0	1
Q60-Q64	Congenital Malformations of the Urinary System	2	1	0	0	3
Q61	Cystic Kidney Disease	2	1	0	0	3
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	3	0	0	3	6
Q77	Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine	1	0	0	0	1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	2	0	0	3	5
Q80-Q89	Other Congenital Malformations	1	0	1	2	4
Q89	Other Congenital Malformations, Not Elsewhere Classified	1	0	1	2	4
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	0	0	2	2	4
Q90	Down's Syndrome	0	0	1	2	3
Q91	Edwards' Syndrome and Patau's Syndrome	0	0	1	0	1
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	0	1	3	27	31
R95-R99	Ill-Defined and Unknown Causes of Mortality	0	1	3	27	31
R95	Sudden Infant Death Syndrome	0	1	3	27	31
V01-Y98	External Causes of Morbidity and Mortality	0	0	2	10	12
V01-V99	Transport Accidents	0	0	0	1	1
V80-V89	Other Land Transport Accidents	0	0	0	1	1
V89	Motor- or Nonmotor-Vehicle Accident, Type of Vehicle Unspecified	0	0	0	1	1
W00-X59	Other External Causes of Accidental Injury	0	0	2	5	7
W75-W84	Other Accidental Threats to Breathing	0	0	2	5	7
W75	Accidental Suffocation and Strangulation in Bed	0	0	2	5	7
X85-Y09	Assault	0	0	0	3	3
Y06	Neglect and Abandonment	0	0	0	1	1
Y07	Other Maltreatment Syndromes	0	0	0	1	1
Y09	Assault by Unspecified Means	0	0	0	1	1
Y10-Y34	Event of Undetermined Intent	0	0	0	1	1
Y33	Other Specified Events, Undetermined Intent	0	0	0	1	1

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Health Statistics Center, 2016

**Causes of Resident Infant Deaths by Birthweight**  
**West Virginia, 2013**  
**Table 30**

ICDA 10 Code Number	Cause of Death	Birthweight				Total
		Less than 1,500	1,500 - 2,499 Grams	2,500 Grams or More	Un- known	
A00-Z99	Total Deaths, All Causes	55	25	73	4	157
A00-B99	Certain Infectious and Parasitic Diseases	2	1	3	0	6
A00-A09	Intestinal Infectious Diseases	2	0	0	0	2
A09	Diarrhea and Gastroenteritis of Presumed Infectious Origin	2	0	0	0	2
A30-A49	Other Bacterial Diseases	0	1	2	0	3
A37	Whooping Cough	0	0	1	0	1
A41	Other Septicemia	0	1	1	0	2
B25-B34	Other Viral Diseases	0	0	1	0	1
B34	Viral Infection of Unspecified Site	0	0	1	0	1
C00-D48	Neoplasms	0	0	2	0	2
C00-C97	Malignant Neoplasms	0	0	2	0	2
C69-C72	Malignant Neoplasms of Eye, Brain and Other Parts of Central Nervous System	0	0	2	0	2
C71	Malignant Neoplasm of Brain	0	0	2	0	2
E00-E90	Endocrine, Nutritional and Metabolic Diseases	0	0	1	0	1
E70-E90	Metabolic Disorders	0	0	1	0	1
E84	Cystic Fibrosis	0	0	1	0	1
G00-G99	Diseases of the Nervous System	0	0	4	0	4
G00-G09	Inflammatory Diseases of the Central Nervous System	0	0	1	0	1
G00	Bacterial Meningitis, Not Elsewhere Classified	0	0	1	0	1
G70-G73	Diseases of Myoneural Junction and Muscle	0	0	2	0	2
G70	Myasthenia Gravis and Other Myoneural Disorders	0	0	1	0	1
G71	Primary Disorders of Muscles	0	0	1	0	1
G90-G99	Other Disorders of the Nervous System	0	0	1	0	1
G93	Other Disorders of Brain	0	0	1	0	1
I00-I99	Diseases of the Circulatory System	1	0	0	0	1
I60-I69	Cerebrovascular Diseases	1	0	0	0	1
I61	Intracerebral Hemorrhage	1	0	0	0	1
P00-P96	Certain Conditions Originating in the Perinatal Period	39	5	10	3	57
P00-P04	Newborn Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	8	1	2	0	11
P00	Newborn Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy	1	0	0	0	1
P00.0	Maternal Hypertensive Disorders	1	0	0	0	1
P01	Newborn Affected by Maternal Complications of Pregnancy	5	1	0	0	6
P01.0	Incompetent Cervix	1	0	0	0	1
P01.1	Premature Rupture of Membranes	3	0	0	0	3
P01.2	Oligohydramnios	1	1	0	0	2
P02	Newborn Affected by Complications of Placenta, Cord and Membranes	1	0	1	0	2
P02.1	Other Forms of Placenta Separation and Hemorrhage	1	0	0	0	1
P02.7	Chorioamnionitis	0	0	1	0	1
P03	Newborn Affected by Other Complications of Labor and Delivery	1	0	1	0	2
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	17	0	0	1	18
P05	Slow Fetal Growth and Fetal Malnutrition	1	0	0	0	1
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	16	0	0	1	17
P07.2	Extreme Immaturity	13	0	0	1	14
P07.3	Other Preterm Infants	3	0	0	0	3
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	8	3	3	0	14
P21	Birth Asphyxia	0	1	0	0	1
P22	Respiratory Distress of Newborn	2	0	0	0	2
P22.0	Respiratory Distress Syndrome	2	0	0	0	2
P23	Congenital Pneumonia	1	1	1	0	3
P25	Interstitial Emphysema and Related Conditions Originating in the Perinatal Period	1	0	0	0	1
P26	Pulmonary Hemorrhage Originating in the Perinatal Period	1	0	0	0	1
P28	Other Respiratory Conditions Originating in the Perinatal Period	0	1	0	0	1
P29	Cardiovascular Disorders Originating in the Perinatal Period	3	0	2	0	5
P29.0	Neonatal Cardiac Failure	1	0	2	0	3
P29.1	Neonatal Cardiac Dysrhythmia	1	0	0	0	1
P29.8	Other Cardiovascular Disorders Originating in the Perinatal Period	1	0	0	0	1
P35-P39	Infections Specific to the Perinatal Period	3	0	2	0	5
P36	Bacterial Sepsis of Newborn	1	0	2	0	3
P37	Other Congenital Infectious and Parasitic Diseases	1	0	0	0	1
P39	Other Infections Specific to the Perinatal Period	1	0	0	0	1

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Causes of Resident Infant Deaths by Birthweight  
West Virginia, 2013  
Table 30 (Cont'd)

ICDA 10 Code Number	Cause of Death	Birthweight				Total
		Less than 1,500	1,500 - 2,499 Grams	2,500 Grams or More	Un- known	
P50-P61	Hemorrhagic and Hematological Disorders of Newborn	1	0	1	0	2
P52	Intracranial Nontraumatic Hemorrhage of Newborn	1	0	0	0	1
P54	Other Neonatal Hemorrhages	0	0	1	0	1
P75-P78	Digestive System Disorders of Newborn	2	0	0	0	2
P77	Necrotizing Enterocolitis of Newborn	1	0	0	0	1
P78	Other Perinatal Digestive System Disorders	1	0	0	0	1
P80-P83	Conditions Involving the Integument and Temperature Regulation of Newborn	0	1	1	0	2
P83	Other Conditions of Integument Specific to Newborn	0	1	1	0	2
P90-P96	Other Disorders Originating in the Perinatal Period	0	0	1	2	3
P96	Other Conditions Originating in the Perinatal Period	0	0	1	2	3
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	10	11	21	1	43
Q00-Q07	Congenital Malformations of the Nervous System	4	3	1	1	9
Q00	Anencephaly and Similar Malformations	0	1	0	0	1
Q03	Congenital Hydrocephalus	3	0	0	0	3
Q04	Other Congenital Malformations of Brain	0	2	1	1	4
Q05	Spina Bifida	1	0	0	0	1
Q20-Q28	Congenital Malformations of the Circulatory System	1	3	9	0	13
Q20	Congenital Malformations of Cardiac Chambers and Connections	0	0	3	0	3
Q22	Congenital Malformations of Pulmonary and Tricuspid Valves	0	2	0	0	2
Q23	Congenital Malformations of Aortic and Mitral Valves	0	0	2	0	2
Q24	Other Congenital Malformations of the Heart	1	0	2	0	3
Q25	Congenital Malformations of Great Arteries	0	0	2	0	2
Q26	Congenital Malformations of Great Veins	0	1	0	0	1
Q30-Q34	Congenital Malformations of the Respiratory System	2	0	0	0	2
Q32	Congenital Malformations of Trachea and Bronchus	1	0	0	0	1
Q33	Congenital Malformations of Lung	1	0	0	0	1
Q38-Q45	Other Congenital Malformations of the Digestive System	0	1	1	0	2
Q39	Congenital Malformations of Esophagus	0	1	0	0	1
Q43	Other Congenital Malformations of Intestine	0	0	1	0	1
Q60-Q64	Congenital Malformations of the Urinary System	1	0	2	0	3
Q61	Cystic Kidney Disease	1	0	2	0	3
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	1	1	4	0	6
Q77	Osteochondrodysplasia with Defects of Growth of Tubular Bones and Spine	0	0	1	0	1
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	1	1	3	0	5
Q80-Q89	Other Congenital Malformations	1	1	2	0	4
Q89	Other Congenital Malformations, Not Elsewhere Classified	1	1	2	0	4
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	0	2	2	0	4
Q90	Down's Syndrome	0	1	2	0	3
Q91	Edwards' Syndrome and Patau's Syndrome	0	1	0	0	1
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	2	6	23	0	31
R95-R99	Ill-Defined and Unknown Causes of Mortality	2	6	23	0	31
R95	Sudden Infant Death Syndrome	2	6	23	0	31
V01-Y98	External Causes of Morbidity and Mortality	1	2	9	0	12
V01-V99	Transport Accidents	0	0	1	0	1
V80-V89	Other Land Transport Accidents	0	0	1	0	1
V89	Motor- or Nonmotor-Vehicle Accident, Type of Vehicle Unspecified	0	0	1	0	1
W00-X59	Other External Causes of Accidental Injury	0	1	6	0	7
W75-W84	Other Accidental Threats to Breathing	0	1	6	0	7
W75	Accidental Suffocation and Strangulation in Bed	0	1	6	0	7
X85-Y09	Assault	0	1	2	0	3
Y06	Neglect and Abandonment	0	0	1	0	1
Y07	Other Maltreatment Syndromes	0	1	0	0	1
Y09	Assault by Unspecified Means	0	0	1	0	1
Y10-Y34	Event of Undetermined Intent	1	0	0	0	1
Y33	Other Specified Events, Undetermined Intent	1	0	0	0	1

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Births and Infant Deaths by Selected Risk Factors and Demographics  
West Virginia Residents, 2013  
Table 31

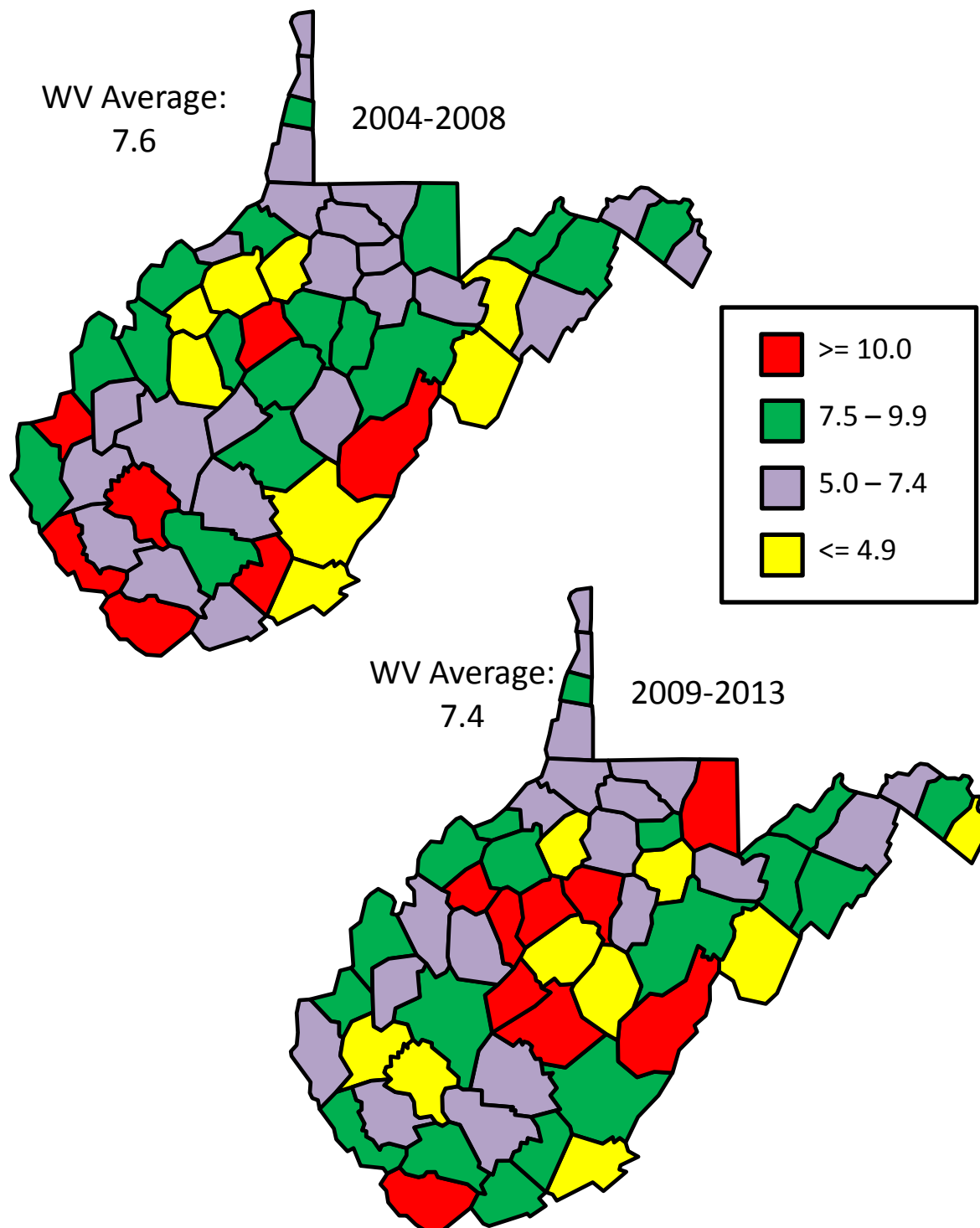
Factor	Births		Infant Deaths	
	Number	Percent	Number	Percent
Total	20,829		157	
Birthweight < 2,500 Grams	1,961	9.4%	80	52.3%
Birthweight < 1,500 Grams	259	1.2%	55	35.0%
Gestational Age < 37 Weeks	2,189	10.5%	84	54.2%
Gestational Age 37-38 Weeks	5,568	26.8%	28	18.1%
Gestational Age 39+ Weeks	13,038	62.7%	43	27.7%
Age of Mother < 20 Years	2,173	10.4%	28	17.8%
Age of Mother < 15 Years	21	0.1%	1	0.6%
Unmarried Mothers	9,378	45.1%	87	55.8%
Mothers Using Tobacco	5,320	25.6%	61	40.9%
Mothers Using Alcohol	69	0.4%	2	1.3%
White or Caucasian Mothers	19,718	94.8%	143	91.7%
Black or African American Mothers	733	3.5%	10	6.4%
Mothers of Other Races	356	1.7%	4	2.6%
Mothers of Unknown Race	22		1	

Percentages are calculated excluding unknown numbers.

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# Resident Infant Death Rates by County West Virginia, 2004-2008 and 2009-2013 Exhibit 15



West Virginia Bureau for Public Health  
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Causes of Resident Fetal Deaths  
West Virginia, 2009-2013  
Table 32

ICDA 10 Code	Cause of Death	2009	2010	2011	2012	2013
A00-Z99*	Total Deaths, All Causes	121	83	90	88	94
C00-D48	Neoplasms	2	0	1	0	0
D10-D36	Benign Neoplasms	2	0	1	0	0
D18	Hemangioma and Lymphangioma, Any Site	2	0	1	0	0
P00-P96	Certain Conditions Originating in the Perinatal Period	112	76	83	84	85
P00-P04	Fetus Affected by Maternal Factors and by Complications of Pregnancy, Labor and Delivery	56	48	51	45	42
P00	Fetus Affected by Maternal Conditions That May Be Unrelated to Present Pregnancy	5	6	3	4	9
P00.0	Maternal Hypertensive Disorders	3	6	3	2	7
P00.1	Maternal Renal and Urinary Tract Diseases	0	0	0	0	1
P00.5	Maternal Injury	1	0	0	2	0
P00.8	Other Maternal Conditions	1	0	0	0	1
P01	Fetus Affected by Maternal Complications of Pregnancy	10	10	8	10	11
P01.0	Incompetent Cervix	4	2	2	1	0
P01.1	Premature Rupture of Membranes	4	5	2	7	9
P01.2	Oligohydramnios	0	2	0	2	0
P01.5	Multiple Pregnancy	2	1	4	0	1
P01.8	Other Maternal Complications of Pregnancy	0	0	0	0	1
P02	Fetus Affected by Complications of Placenta, Cord and Membranes	36	28	39	30	22
P02.1	Other Forms of Placenta Separation and Hemorrhage	10	11	10	10	7
P02.2	Other and Unspecified Morphological and Functional Abnormalities of Placenta	3	2	0	3	0
P02.4	Prolapsed Cord	0	0	0	2	0
P02.5	Other Compression of Umbilical Cord	23	12	26	9	10
P02.6	Other and Unspecified Conditions of Umbilical Cord	0	0	1	2	0
P02.7	Chorioamnionitis	0	3	1	4	5
P02.9	Abnormality of Membranes, Unspecified	0	0	1	0	0
P03	Fetus Affected by Other Complications of Labor and Delivery	4	3	1	0	0
P04	Fetus Affected by Noxious Influences Transmitted Via Placenta or Breast Milk	1	1	0	1	0
P05-P08	Disorders Related to Length of Gestation and Fetal Growth	7	5	1	6	7
P05	Slow Fetal Growth and Fetal Malnutrition	0	1	0	0	0
P07	Disorders Related to Short Gestation and Low Birthweight, Not Elsewhere Classified	7	4	1	6	7
P07.2	Extreme Immaturity	4	2	0	4	4
P07.3	Other Preterm Infants	3	2	1	2	3
P20-P29	Respiratory and Cardiovascular Disorders Specific to the Perinatal Period	5	2	1	2	2
P20	Intrauterine Hypoxia	1	0	0	1	1
P28	Other Respiratory Conditions Originating in the Perinatal Period	1	0	0	0	0
P29	Cardiovascular Disorders Originating in the Perinatal Period	3	2	1	1	1
P29.0	Neonatal Cardiac Failure	1	2	0	0	0
P29.1	Neonatal Cardiac Dysrhythmia	2	0	1	1	0
P29.2	Neonatal Hypertension	0	0	0	0	1
P35-P39	Infections Specific to the Perinatal Period	1	0	0	0	0
P39	Other Infections Specific to the Perinatal Period	1	0	0	0	0
P50-P61	Hemorrhagic and Hematological Disorders of Fetus	0	0	0	1	0

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Causes of Resident Fetal Deaths  
West Virginia, 2009-2013  
Table 32 (Cont'd)

ICDA 10 Code	Cause of Death	2009	2010	2011	2013	2013
P50	Fetal Blood Loss	0	0	0	1	0
P70-P74	Transitory Endocrine and Metabolic Disorders Specific to Fetus	2	1	3	2	4
P70	Transitory Disorders of Carbohydrate Metabolism Specific to Fetus	2	1	3	2	4
P70.0	Syndrome of "Infant of Mother with Gestational Diabetes"	1	1	2	2	1
P70.1	Syndrome of "Infant of a Diabetic Mother"	1	0	1	0	1
P70.2	Neonatal Diabetes Mellitus	0	0	0	0	2
P80-P83	Conditions Involving the Integument and Temperature Regulation of Fetus	2	1	0	0	3
P83	Other Conditions of Integument Specific to Fetus	2	1	0	0	3
P90-P96	Other Disorders Originating in the Perinatal Period	39	19	27	28	27
P96	Other Conditions Originating in the Perinatal Period	39	19	27	28	27
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities	6	7	6	4	8
Q00-Q07	Congenital Malformations of the Nervous System	0	1	0	0	1
Q07	Other Congenital Malformations of Nervous System	0	1	0	0	1
Q20-Q28	Congenital Malformations of the Circulatory System	1	1	0	1	1
Q23	Congenital Malformations of Aortic and Mitral Valves	0	0	0	0	1
Q24	Other Congenital Malformations of the Heart	1	1	0	0	0
Q27	Other Congenital Malformations of Peripheral Vascular System	0	0	0	1	0
Q38-Q45	Other Congenital Malformations of the Digestive System	0	0	0	1	0
Q43	Other Congenital Malformations of Intestine	0	0	0	1	0
Q60-Q64	Congenital Malformations of the Urinary System	1	0	1	1	1
Q60	Renal Agenesis and Other Reduction Defects of Kidney	0	0	1	1	0
Q64	Other Congenital Malformations of Urinary System	1	0	0	0	1
Q65-Q79	Congenital Malformations and Deformations of the Musculoskeletal System	0	2	0	1	2
Q79	Congenital Malformations of Musculoskeletal System, Not Elsewhere Classified	0	2	0	1	2
Q80-Q89	Other Congenital Malformations	2	2	0	0	1
Q89	Other Congenital Malformations, Not Elsewhere Classified	2	2	0	0	1
Q90-Q99	Chromosomal Abnormalities, Not Elsewhere Classified	2	1	5	0	2
Q91	Edwards' Syndrome and Patau's Syndrome	0	1	5	0	1
Q92	Other Trisomies and Partial Trisomies of the Autosomes, Not Elsewhere Classified	0	0	0	0	1
Q96	Turner's Syndrome	1	0	0	0	0
Q99	Other Chromosome Abnormalities, Not Elsewhere Classified	1	0	0	0	0
R00-R99	Symptoms, Signs and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified	1	0	0	0	1
R95-R99	Ill-Defined and Unknown Causes of Mortality	1	0	0	0	1
R96	Other Sudden Death, Cause Unknown	1	0	0	0	0
R99	Other Ill-Defined and Unspecified Causes of Mortality	0	0	0	0	1

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West Virginia Vital Statistics  
**Induced Terminations  
of Pregnancy (ITOP)**



## Induced Terminations of Pregnancy (ITOP) Summary

The annual reporting of induced terminations of pregnancy (ITOP), also properly referred to as “induced abortion,” was mandated in the latest revision of the West Virginia Code. An ITOP is a purposeful interruption of an intrauterine pregnancy with the intention other than to produce a live-born infant and which does not result in a live birth. The management of prolonged retention of products of conception following fetal death is excluded. The major distinguishing feature of this event is the fact that it is “purposeful” rather than spontaneous. A spontaneous interruption of a pregnancy is also known as a fetal death or a spontaneous abortion or, more commonly, as a miscarriage or a stillbirth.

One of the primary differences between the reporting of ITOP statistics and birth and death statistics in this publication is that ITOP statistics reflect events that occurred in West Virginia. Due to exchange agreements with other states, births and deaths to West Virginia residents that occur elsewhere are reported back to the state, making it possible to ascertain the number of births and deaths among state residents in a given time frame regardless as to where the event occurred. Information on the number of West Virginia residents who obtain an ITOP in another state is infrequently reported back to West Virginia by the state where the procedure took place, normally due to restrictions within the other state’s legal code.

The only two free-standing clinics that perform ITOPs on demand in West Virginia are in Charleston, which makes the likelihood of out-of-state ITOPs greater in some regions of the state. It is unlikely that the majority of women living in the northern or eastern panhandles of the state seeks an ITOP in West Virginia. Due to known incomplete reporting, therefore, the procedures performed on West Virginia residents in other states have been excluded from the compiled statistics.

West Virginia legal code requires clinics to provide counseling and informational guidance to females seeking an abortion. All but three of the 2013 ITOP records indicate the female did, in fact, receive counseling, compared to all but one in 2012. There are some isolated incidents where the abortion needs to be performed due to a medical emergency. In 2013, there was one ITOP performed due to a medical emergency same as 2012.

In 2013, there were 1,876 ITOPs performed in West Virginia, 48 or 2.6% more than in 2012 (1,828). More than five out of every six (86.4%) ITOPs involved a West Virginia resident, while 6.9% were Ohio residents and 6.5% were residents of Kentucky, compared with 2012 percentages of 86.4%, 4.8% and 6.0%, respectively. The median age of women having an ITOP in 2013 was 25, compared to age 24 in 2012. There were 85 procedures in 2013 involving females under the age of 18, of which 82 were performed on unemancipated\*minors, compared with 76 in 2012, of which 73 were performed on unemancipated minors. Nearly five out of every six (83.4%) of the 2013 ITOPs performed in West Virginia involved women who were not married at the time. Nearly one-third (33.2%) of the 2013 ITOPs involved women who had never had a previous live birth, while 86.7% were to women who had two or fewer children. There were five ITOPs performed on a woman who had six or more children. More than sixty-three percent (63.1%) involved women for whom it was their first ITOP, while nearly all (95.8%) involved women who had two or fewer previous ITOPs. Six ITOPs were performed upon women who previously had six or more ITOPs.

\*For the purpose of ITOP reporting, unemancipated minor means any person under the age of 18 years who has not graduated from high school and is neither married nor who has been otherwise emancipated.

Induced Terminations of Pregnancy  
By Age of Female and Weeks of Gestation  
West Virginia Occurrences, 2013

Table 33

Age of Female	Weeks of Gestation							Total
	Less than 9	9-10	11-12	13-15	16-19	20 or More	Unknown	
10-14	3	2	1	2	0	0	0	8
15-17	38	13	17	7	2	0	0	77
18-19	75	40	14	13	6	0	0	148
20-24	353	142	86	59	24	5	0	669
25-29	256	89	58	33	13	2	0	451
30-34	166	58	37	26	14	1	0	302
35-39	85	37	21	14	5	1	0	163
40-44	33	12	4	3	2	0	0	54
45+	1	1	1	1	0	0	0	4
Unknown	0	0	0	0	0	0	0	0
Total	1,010	394	239	158	66	9	0	1,876

Note: Gestational age is the physician's estimate of gestation (clinical/obstetric estimate).

If the physician's estimate of gestation is not available, it is calculated from the date of onset of last normal menses.

Induced Terminations of Pregnancy  
By Age of Female and Marital Status  
West Virginia Occurrences, 2013

Table 34

Age of Female	Marital Status						Total
	Married	Never Married	Divorced	Separated	Widowed	Unknown	
10-14	0	8	0	0	0	0	8
15-17	0	77	0	0	0	0	77
18-19	7	140	0	1	0	0	148
20-24	58	579	21	11	0	0	669
25-29	74	313	45	19	0	0	451
30-34	53	175	47	21	6	0	302
35-39	40	80	33	10	0	0	163
40-44	15	17	20	2	0	0	54
45+	1	3	0	0	0	0	4
Unknown	0	0	0	0	0	0	0
Total	248	1,392	166	64	6	0	1,876

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Induced Terminations of Pregnancy  
By Age of Female and Previous Live Births  
West Virginia Occurrences, 2013

Table 35

Age of Female	Previous Live Births						Total
	None	One	Two	Three	Four or More	Unknown	
10-14	8	0	0	0	0	0	8
15-17	68	7	2	0	0	0	77
18-19	103	35	8	2	0	0	148
20-24	269	239	129	26	6	0	669
25-29	104	146	133	42	26	0	451
30-34	48	90	86	46	32	0	302
35-39	15	51	41	34	22	0	163
40-44	7	14	20	9	4	0	54
45+	1	1	1	0	1	0	4
Unknown	0	0	0	0	0	0	0
Total	623	583	420	159	91	0	1,876

Previous Induced Terminations of Pregnancy  
By Age of Female  
West Virginia Occurrences, 2013

Table 36

Age of Female	Previous Induced Terminations						Total
	None	One	Two	Three	Four or More	Unknown	
10-14	8	0	0	0	0	0	8
15-17	72	5	0	0	0	0	77
18-19	131	17	0	0	0	0	148
20-24	449	158	46	11	5	0	669
25-29	261	125	48	8	9	0	451
30-34	152	92	30	18	10	0	302
35-39	78	49	22	6	8	0	163
40-44	31	13	6	1	3	0	54
45+	1	0	3	0	0	0	4
Unknown	0	0	0	0	0	0	0
Total	1,183	459	155	44	35	0	1,876

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West Virginia Vital Statistics  
**Marriages & Divorces**



## Marriages

The number of marriages in West Virginia decreased for the second year in a row, from 12,996 in 2012 to 12,382 in 2013. The marriage rate in 2013 was 6.7 per 1,000 population, lower than the 2012 rate of 7.0. The 2012 U.S. provisional rate was 6.8 which is the latest available year.

For all marriages in 2013, the median age was 29 for brides and 31 for grooms. The mode (most frequently reported age) for all marriages was 23 for brides and grooms. There were 96 brides and 13 grooms aged less than 18. There were 183 brides and 330 grooms over the age of 65. Also in 2013, there were 212 marriages in which the groom was 20 years or more older than the bride, while there were 16 marriages in which the bride was at least 20 years older.

For first marriages, the median age for brides was 24; for grooms it was 26. The mode for first marriages in West Virginia was 22 for brides and 23 for grooms. All of West Virginia's brides and grooms less than 18 years of age were in their first marriage. There were one bride and six grooms over the age of 65 for which it was a first marriage.

## Divorces and Annulments

The number of divorces and annulments decreased by 390 or 4.4%, from 8,932 in 2012 to 8,542 in 2013. The 2013 rate of 4.6 per 1,000 population was lower than the 2012 rate of 4.8.

Of the 8,542 divorces in West Virginia in 2013, the median duration of marriage was seven years. More than one out of every five (21.6%) West Virginia divorces with a known duration in 2013 involved marriages lasting only two years or less; 8.0% involved marriages of 25 years or longer. There were 10 divorces involving a wife aged less than 18, and there were three husbands under age 18. During 2013, 129 divorces involved a wife aged 65 or older and 229 involved a husband in that age group.

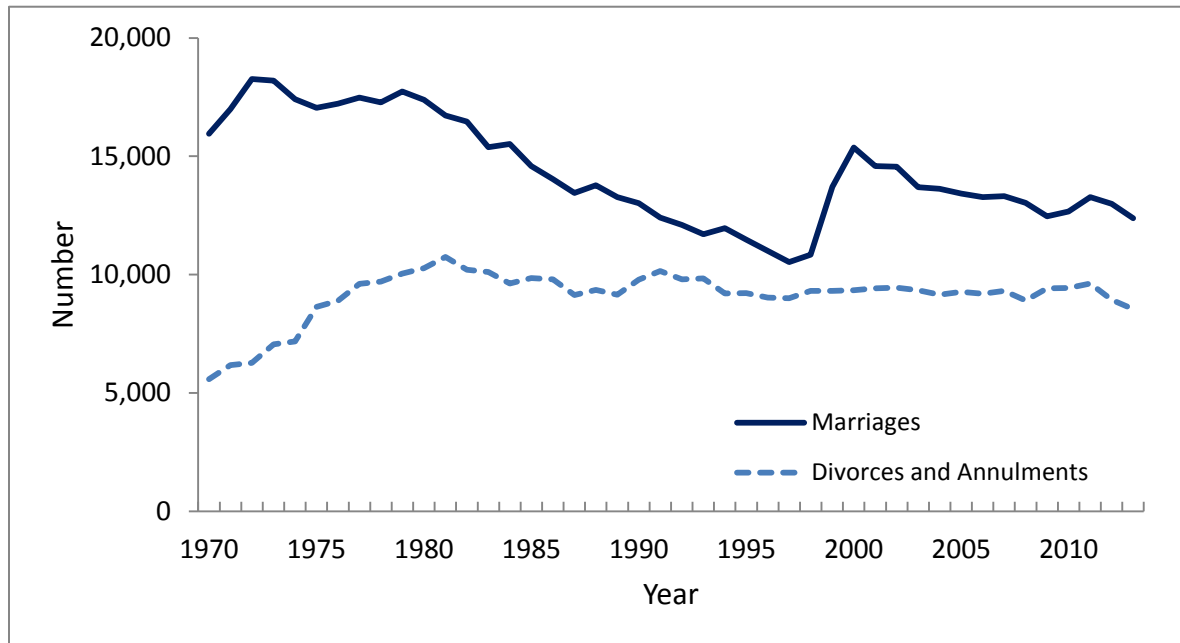
More than one-half (54.3%) of the divorces involved no children under 18 years of age in the family, while one child was involved in 22.1% of all divorces and two children were involved in 17.0%. Four divorces involved six or more children.

## Note Regarding Marriage and Divorce/Annulment Statistics

Statistics regarding marriage and divorce/annulments are by occurrence only. They include only those that occur within West Virginia regardless of where the couple resides.



# Marriages, Divorces and Annulments West Virginia, 1970-2013 Exhibit 16



Year	Marriages	Divorces and Annulments
1970	15,948	5,584
1975	17,041	8,632
1980	17,391	10,273
1985	14,580	9,851
1990	13,012	9,783
1995	11,472	9,219
2000	15,375	9,336
2005	13,423	9,269
2006	13,276	9,191
2007	13,308	9,305
2008	13,025	8,903
2009	12,463	9,420
2010	12,662	9,431
2011	13,271	9,620
2012	12,996	8,932
2013	12,382	8,542

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# Marriages by Age of Bride and Groom

West Virginia, 2013

Table 37

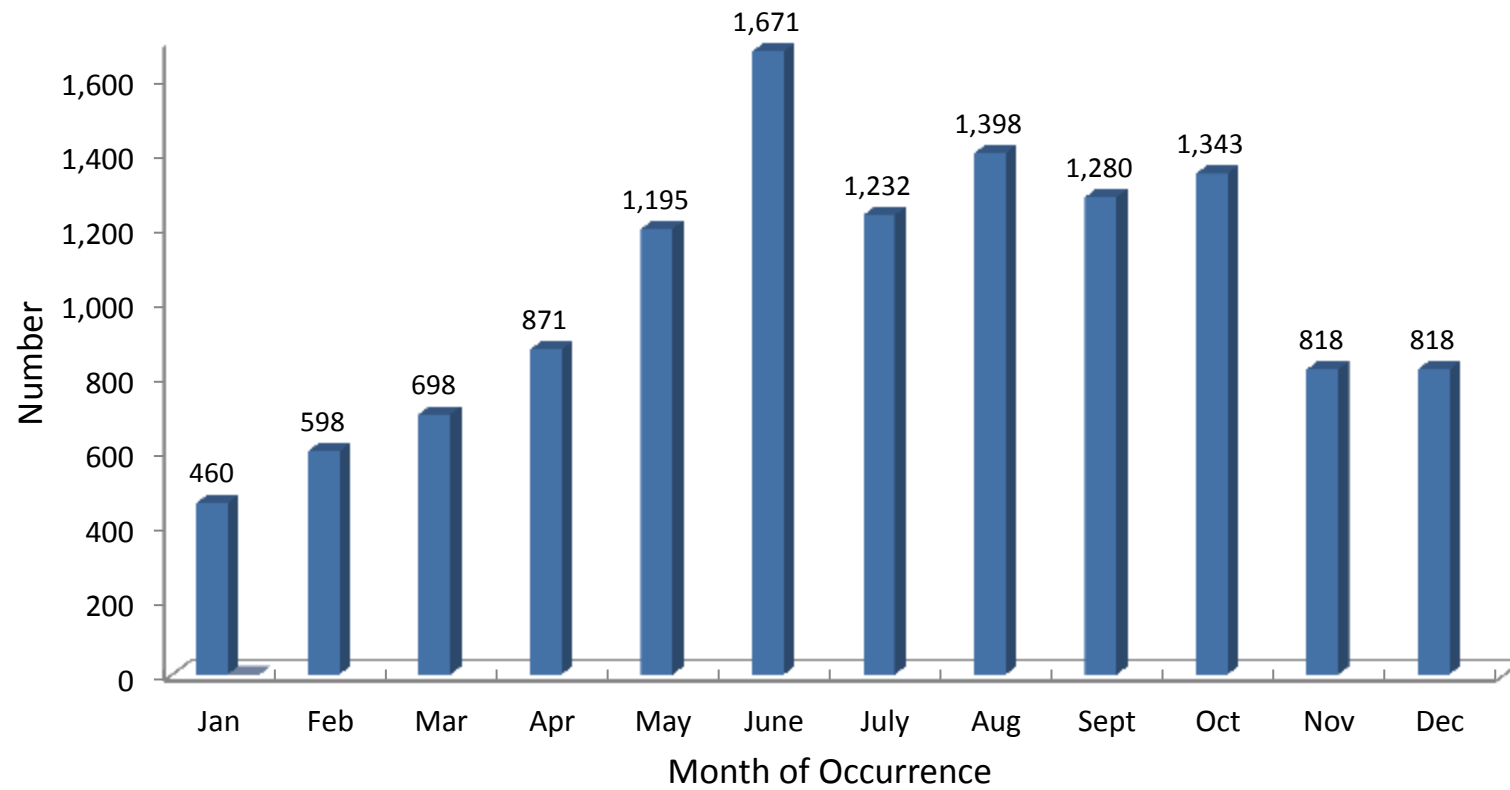
Age of Bride	Age of Groom												Total
	10-14 Years	15-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45-49 Years	50-54 Years	55-59 Years	60 Years & Over	Unknown	
10-14 Years	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19 Years	0	270	447	94	21	9	4	2	0	0	0	0	847
20-24 Years	0	73	1,639	990	283	111	38	16	3	7	1	0	3,161
25-29 Years	0	7	277	1,172	691	256	90	33	8	11	8	0	2,553
30-34 Years	0	3	53	303	615	404	186	76	32	13	7	1	1,693
35-39 Years	0	0	24	62	192	351	278	138	68	23	19	0	1,155
40-44 Years	0	0	10	18	75	124	336	247	102	49	20	0	981
45-49 Years	0	0	1	7	24	35	124	228	192	98	59	0	768
50-54 Years	0	0	0	1	2	10	26	77	167	127	86	0	496
55-59 Years	0	0	0	0	1	5	5	30	45	78	138	0	302
60 Years & Over	0	0	0	1	0	0	0	11	20	43	351	0	426
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	353	2,451	2,648	1,904	1,305	1,087	858	637	449	689	1	12,382

Note: Age at the time the marriage license was issued. Marriage license is valid for 60 days from the date issued.

West Virginia Bureau for Public Health

Health Statistics Center, 2016

Marriages by Month of Occurrence  
West Virginia, 2013  
Exhibit 17



West Virginia Bureau for Public Health  
Health Statistics Center, 2016

### Marriages by Previous Marital Status

West Virginia, 2013

Table 38

Bride	Groom					Total
	Never Married	Widowed	Divorced	Annulled	Not Stated	
Never Married	5,654	32	1,328	7	1	7,022
Widowed	55	153	261	2	0	471
Divorced	1,391	209	3,251	13	0	4,864
Annulled	7	0	6	1	0	14
Not Stated	5	0	2	0	4	11
Total	7,112	394	4,848	23	5	12,382

### Marriages by Number of Previous Marriages

West Virginia, 2013

Table 39

Bride	Groom						Total
	Never Previously Married	One Previous Marriage	Two Previous Marriages	Three Previous Marriages	Four or More Previous Marriages	Not Stated	
Never Previously Married	5,654	1,117	201	38	11	1	7,022
One Previous Marriage	1,187	1,630	639	128	50	2	3,636
Two Previous Marriages	214	565	333	70	35	3	1,220
Three Previous Marriages	48	143	112	49	9	1	362
Four or More Previous Marriages	7	53	49	18	11	0	138
Not Stated	2	1	0	0	0	1	4
Total	7,112	3,509	1,334	303	116	8	12,382

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Divorces and Annulments by Age of Husband and Wife  
West Virginia, 2013  
Table 40

Age of Wife	Age of Husband												Total
	10-14 Years	15-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45-49 Years	50-54 Years	55-59 Years	60 Years & Over	Un- known	
10-14 Years	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19 Years	0	26	58	15	3	2	1	0	0	0	0	1	106
20-24 Years	0	14	352	302	88	33	18	2	2	1	3	10	825
25-29 Years	0	0	73	542	423	137	41	11	7	4	11	15	1,264
30-34 Years	1	0	12	114	551	398	166	56	18	10	5	20	1,351
35-39 Years	0	0	6	31	136	469	385	154	69	23	13	14	1,300
40-44 Years	0	0	3	10	42	159	461	321	131	50	28	8	1,213
45-49 Years	0	0	1	4	9	50	135	286	221	78	36	9	829
50-54 Years	0	0	0	1	4	8	40	91	208	150	88	4	594
55-59 Years	0	0	0	2	2	6	7	31	57	107	111	14	337
60 Years & Over	0	0	1	1	3	1	7	13	21	51	226	3	327
Unknown	0	0	10	21	29	22	20	21	17	6	11	239	396
Total	1	40	516	1,043	1,290	1,285	1,281	986	751	480	532	337	8,542

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

# Divorces and Annulments by Duration of Marriage and Number of Children

West Virginia, 2013

Table 41

Duration of Marriage in Years	Number of Children Reported Under 18 Years of Age								Total
	None	One	Two	Three	Four	Five	Six or More	Un-known	
Under 1 Year	353	30	12	1	0	1	0	0	397
1 to 4 Years	1,713	632	256	51	9	1	0	0	2,662
5 to 9 Years	922	500	440	131	25	4	0	0	2,022
10 to 14 Years	495	284	343	115	25	9	0	0	1,271
15 to 19 Years	292	195	256	113	27	4	4	0	891
20 to 24 Years	289	154	105	22	4	3	0	0	577
25 to 29 Years	233	73	26	3	2	0	0	0	337
30 to 34 Years	172	10	7	2	0	0	0	0	191
35 to 39 Years	75	4	0	0	0	0	0	0	79
40 to 44 Years	47	2	2	0	0	0	0	0	51
45 to 49 Years	17	1	0	0	0	0	0	0	18
50 to 54 Years	5	0	0	0	0	0	0	0	5
55 to 59 Years	2	0	0	0	0	0	0	0	2
60 Years & Over	0	0	0	0	0	0	0	0	0
Unknown	24	5	7	3	0	0	0	0	39
Total	4,639	1,890	1,454	441	92	22	4	0	8,542

West Virginia Bureau for Public Health

Health Statistics Center, 2016



# West Virginia Vital Statistics

## **County-Level Data**



## County and City Summary

Beginning with the *West Virginia Vital Statistics 2008* report, the Health Statistics Center began separating county statistics from the state totals. Although the tables have been rearranged from previous publications, the same information is presented. The birth section is followed by information on deaths (including infant and fetal) and then marriages and divorces. Practically all of ITOP data is collected from two clinics, both in Kanawha County, and is reported as occurrence data. ITOP statistics displayed at the county or city level would be meaningless and misleading.

*West Virginia Vital Statistics 2007* expanded the number of cities for which data were presented. Before then, data were included for the 15 cities in the state that had populations of 10,000 or more. Because some cities have dropped below that mark in the past decade or more, it was then decided to include data for the state's 25 most populated cities, regardless of the size of the population. It has now increased to the 30 most populated cities beginning with the 2010 edition.



Number of Births by County of Residence and Occurrence  
Birth Rates by County of Residence  
West Virginia, 2013  
Table 42

County	Residence		Occurrence	County	Residence		Occurrence
	Number	Rate per 1,000 Population*			Number	Rate per 1,000 Population*	
Barbour	167	10.0	0	Monongalia	1,079	10.6	2,533
Berkeley	1,379	12.7	966	Monroe	121	9.0	4
Boone	278	11.5	1	Morgan	151	8.6	4
Braxton	153	10.6	0	Nicholas	285	11.0	326
Brooke	180	7.6	289	Ohio	460	10.5	1,488
Cabell	1,160	11.9	3,208	Pendleton	77	10.3	0
Calhoun	82	10.8	2	Pleasants	84	11.1	0
Clay	103	11.1	0	Pocahontas	97	11.2	4
Doddridge	64	7.7	1	Preston	361	10.7	1
Fayette	579	12.7	2	Putnam	633	11.2	29
Gilmer	73	8.4	0	Raleigh	919	11.7	1,324
Grant	122	10.4	250	Randolph	310	10.5	339
Greenbrier	368	10.3	552	Ritchie	96	9.5	0
Hampshire	232	9.9	2	Roane	149	10.2	2
Hancock	258	8.5	1	Summers	97	7.2	3
Hardy	139	10.0	0	Taylor	173	10.2	1
Harrison	824	11.9	1,028	Tucker	76	10.9	1
Jackson	337	11.5	1	Tyler	94	10.5	1
Jefferson	622	11.3	261	Upshur	275	11.1	288
Kanawha	2,239	11.7	3,929	Wayne	492	11.9	2
Lewis	211	12.8	304	Webster	98	11.0	1
Lincoln	282	13.1	1	Wetzel	174	10.7	3
Logan	433	12.0	309	Wirt	62	10.5	0
McDowell	272	13.0	77	Wood	1,039	12.0	1,584
Marion	696	12.2	399	Wyoming	217	9.4	0
Marshall	321	9.9	92				
Mason	281	10.4	140				
Mercer	737	11.9	1,262	Total	20,829	11.2	21,127
Mineral	302	10.9	7				
Mingo	316	12.2	105				

\*Rates are calculated per 1,000 population. 2013 population estimates are from the U.S. Bureau of the Census.

West Virginia Bureau for Public Health

Health Statistics Center, 2016

Number of Births by County of Residence  
West Virginia, 2009-2013  
Table 43

County	2009	2010	2011	2012	2013	County	2009	2010	2011	2012	2013
Barbour	171	152	183	191	167	Monongalia	927	974	1,050	1,017	1,079
Berkeley	1,352	1,282	1,354	1,402	1,379	Monroe	132	133	141	149	121
Boone	327	307	306	255	278	Morgan	162	131	157	132	151
Braxton	160	162	154	169	153	Nicholas	332	291	301	310	285
Brooke	208	202	181	185	180	Ohio	508	472	456	510	460
Cabell	1,263	1,143	1,214	1,236	1,160	Pendleton	97	70	85	70	77
Calhoun	92	84	90	69	82	Pleasants	64	56	51	75	84
Clay	132	132	115	117	103	Pocahontas	101	79	88	83	97
Doddridge	77	71	60	73	64	Preston	352	332	376	334	361
Fayette	606	567	589	531	579	Putnam	601	583	607	578	633
Gilmer	72	78	66	63	73	Raleigh	970	974	978	1,000	919
Grant	134	128	115	111	122	Randolph	293	283	303	332	310
Greenbrier	397	353	341	416	368	Ritchie	103	83	101	91	96
Hampshire	237	225	223	223	232	Roane	148	157	155	172	149
Hancock	293	289	310	300	258	Summers	123	107	131	117	97
Hardy	158	148	137	147	139	Taylor	198	179	177	189	173
Harrison	826	798	809	794	824	Tucker	69	68	64	60	76
Jackson	325	334	310	326	337	Tyler	100	80	90	97	94
Jefferson	627	602	634	580	622	Upshur	268	273	274	291	275
Kanawha	2,280	2,206	2,148	2,222	2,239	Wayne	410	366	383	432	492
Lewis	192	189	205	192	211	Webster	134	99	106	103	98
Lincoln	257	257	274	267	282	Wetzel	174	170	170	165	174
Logan	426	437	452	433	433	Wirt	40	67	52	61	62
McDowell	293	278	254	286	272	Wood	1,037	969	990	895	1,039
Marion	647	677	679	630	696	Wyoming	268	264	250	235	217
Marshall	329	323	285	359	321						
Mason	279	309	274	287	281						
Mercer	817	789	770	793	737	Total	21,275	20,471	20,705	20,813	20,829
Mineral	320	301	291	300	302						
Mingo	367	388	346	358	316						

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Number and Percent of Low Birthweight (LBW) Births  
By County of Residence  
West Virginia, 2013  
Table 44

County	Number of Births	Low Birth-weight*	Percent LBW	County	Number of Births	Low Birth-weight*	Percent LBW
Barbour	167	15	9.0%	Monongalia	1,079	74	6.9%
Berkeley	1,379	114	8.3%	Monroe	121	7	5.8%
Boone	278	30	10.8%	Morgan	151	15	9.9%
Braxton	153	9	5.9%	Nicholas	285	22	7.7%
Brooke	180	17	9.4%	Ohio	460	48	10.4%
Cabell	1,160	118	10.2%	Pendleton	77	8	10.4%
Calhoun	82	6	7.3%	Pleasants	84	8	9.5%
Clay	103	16	15.5%	Pocahontas	97	13	13.4%
Doddridge	64	7	10.9%	Preston	361	43	11.9%
Fayette	579	55	9.5%	Putnam	633	44	7.0%
Gilmer	73	7	9.6%	Raleigh	919	88	9.6%
Grant	122	14	11.5%	Randolph	310	24	7.7%
Greenbrier	368	29	7.9%	Ritchie	96	8	8.3%
Hampshire	232	15	6.5%	Roane	149	14	9.4%
Hancock	258	23	9.0%	Summers	97	13	13.4%
Hardy	139	7	5.0%	Taylor	173	12	6.9%
Harrison	824	69	8.4%	Tucker	76	6	7.9%
Jackson	337	39	11.6%	Tyler	94	14	14.9%
Jefferson	622	50	8.0%	Upshur	275	13	4.7%
Kanawha	2,239	249	11.1%	Wayne	492	46	9.4%
Lewis	211	23	10.9%	Webster	98	7	7.1%
Lincoln	282	37	13.2%	Wetzel	174	20	11.6%
Logan	433	49	11.3%	Wirt	62	6	9.7%
McDowell	272	32	11.8%	Wood	1,039	92	8.9%
Marion	696	75	10.8%	Wyoming	217	28	12.9%
Marshall	321	22	6.9%				
Mason	281	26	9.3%				
Mercer	737	76	10.3%	Total	20,829	1,961	9.4%
Mineral	302	19	6.3%				
Mingo	316	40	12.9%				

\* < 2,500 grams

Percentages are calculated excluding unknown.

West Virginia Bureau for Public Health

Health Statistics Center, 2016

Age of Mother by County  
West Virginia Resident Births, 2013  
Table 45

County	Age of Mother										Total
	10-14 Years	15-17 Years	18-19 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-44 Years	45 Years & Over	Un- known	
Barbour	0	4	14	65	46	28	8	2	0	0	167
Berkeley	2	29	74	357	448	314	133	21	1	0	1,379
Boone	1	11	21	100	71	51	18	2	3	0	278
Braxton	0	3	13	64	36	24	7	0	6	0	153
Brooke	0	3	12	56	53	42	11	3	0	0	180
Cabell	0	39	79	329	327	259	107	17	3	0	1,160
Calhoun	0	2	5	30	21	17	4	2	1	0	82
Clay	0	1	7	34	30	17	10	2	1	1	103
Doddridge	0	0	4	30	14	11	4	1	0	0	64
Fayette	2	13	57	186	142	121	40	14	4	0	579
Gilmer	0	1	5	26	25	12	2	2	0	0	73
Grant	0	2	12	43	34	20	9	2	0	0	122
Greenbrier	0	7	39	119	98	72	24	6	3	0	368
Hampshire	0	8	13	81	69	39	18	4	0	0	232
Hancock	0	9	18	62	66	78	20	3	2	0	258
Hardy	1	4	12	52	37	18	11	3	1	0	139
Harrison	2	30	57	229	270	168	57	10	0	1	824
Jackson	1	9	28	106	101	72	19	1	0	0	337
Jefferson	0	11	27	124	188	178	75	17	2	0	622
Kanawha	2	56	172	641	658	480	188	35	7	0	2,239
Lewis	1	9	15	66	63	39	13	4	1	0	211
Lincoln	1	10	33	103	66	47	19	3	0	0	282
Logan	0	19	46	155	110	65	33	5	0	0	433
McDowell	1	13	30	117	64	30	10	6	0	1	272
Marion	0	14	41	226	216	134	56	9	0	0	696
Marshall	0	9	32	121	86	48	20	5	0	0	321
Mason	0	8	30	95	85	42	19	2	0	0	281
Mercer	0	23	74	277	190	118	45	8	2	0	737
Mineral	0	7	25	109	77	61	20	3	0	0	302
Mingo	0	12	44	120	83	40	10	5	2	0	316
Monongalia	1	7	43	232	356	307	113	16	4	0	1,079
Monroe	0	4	11	42	30	18	11	3	2	0	121
Morgan	1	5	9	50	43	27	14	2	0	0	151
Nicholas	0	6	23	106	76	46	21	1	5	1	285
Ohio	0	17	22	140	129	109	38	2	3	0	460
Pendleton	0	1	5	17	36	11	5	2	0	0	77
Pleasants	0	0	10	34	25	10	5	0	0	0	84
Pocahontas	0	4	5	31	30	15	11	0	1	0	97
Preston	1	2	16	120	107	89	21	1	4	0	361
Putnam	0	16	37	161	177	164	66	11	1	0	633
Raleigh	3	25	75	331	239	163	65	14	4	0	919
Randolph	0	8	40	101	79	54	23	4	1	0	310
Ritchie	0	3	9	33	20	22	5	2	2	0	96
Roane	0	4	11	51	47	29	6	1	0	0	149
Summers	0	4	13	36	25	13	6	0	0	0	97
Taylor	0	2	11	55	56	36	7	6	0	0	173
Tucker	0	3	4	24	22	20	2	1	0	0	76
Tyler	0	1	5	40	28	16	3	0	1	0	94
Upshur	0	6	22	97	81	51	13	5	0	0	275
Wayne	0	11	47	169	131	93	31	7	3	0	492
Webster	0	4	8	44	18	18	4	2	0	0	98
Wetzel	0	7	18	64	51	20	13	0	1	0	174
Wirt	0	1	5	23	12	18	3	0	0	0	62
Wood	1	25	97	339	304	179	79	11	4	0	1,039
Wyoming	0	8	27	68	60	38	12	1	3	0	217
Total	21	540	1,612	6,531	5,956	4,211	1,587	289	78	4	20,829

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Mother's Marital Status and Method of Paternity Establishment for  
Unmarried Mothers by County  
West Virginia Occurrence Births, 2013  
Table 46

County	Total Births	Mother's Marital Status		Mother Unmarried with Paternity Established		Mother Unmarried with Father Unknown
		Married*	Unmarried	Paternity Affidavit Accepted	Father Established by Other Methods	
Barbour	0	0	0	0	0	0
Berkeley	966	404	562	421	33	108
Boone	1	1	0	0	0	0
Braxton	0	0	0	0	0	0
Brooke	289	118	171	119	9	43
Cabell	3,208	1,808	1,400	974	114	312
Calhoun	2	2	0	0	0	0
Clay	0	0	0	0	0	0
Doddridge	1	1	0	0	0	0
Fayette	2	0	2	0	0	2
Gilmer	0	0	0	0	0	0
Grant	250	107	143	104	11	28
Greenbrier	552	272	280	207	28	45
Hampshire	2	1	1	0	0	1
Hancock	1	1	0	0	0	0
Hardy	0	0	0	0	0	0
Harrison	1,028	555	473	388	28	57
Jackson	1	1	0	0	0	0
Jefferson	261	123	138	105	9	24
Kanawha	3,929	2,198	1,731	1,265	212	254
Lewis	304	151	153	112	15	26
Lincoln	1	1	0	0	0	0
Logan	309	138	171	104	26	41
McDowell	77	40	37	19	12	6
Marion	399	178	221	160	16	45
Marshall	92	32	60	48	5	7
Mason	140	53	87	56	12	19
Mercer	1,262	730	532	313	82	137
Mineral	7	7	0	0	0	0
Mingo	105	42	63	25	11	27
Monongalia	2,533	1,663	870	627	57	186
Monroe	4	4	0	0	0	0
Morgan	4	4	0	0	0	0
Nicholas	326	151	175	123	18	34
Ohio	1,488	762	726	556	37	133
Pendleton	0	0	0	0	0	0
Pleasants	0	0	0	0	0	0
Pocahontas	4	4	0	0	0	0
Preston	1	1	0	0	0	0
Putnam	29	25	4	3	0	1
Raleigh	1,324	660	664	427	74	163
Randolph	339	169	170	125	17	28
Ritchie	0	0	0	0	0	0
Roane	2	1	1	1	0	0
Summers	3	2	1	1	0	0
Taylor	1	1	0	0	0	0
Tucker	1	0	1	1	0	0
Tyler	1	1	0	0	0	0
Upshur	288	157	131	91	15	25
Wayne	2	2	0	0	0	0
Webster	1	1	0	0	0	0
Wetzel	3	3	0	0	0	0
Wirt	0	0	0	0	0	0
Wood	1,584	800	784	516	91	177
Wyoming	0	0	0	0	0	0
Total	21,127	11,375	9,752	6,891	932	1,929

\*Includes 17 births with unknown marital status  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Births by Month by County  
West Virginia Residents, 2013  
Table 47

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	9	11	15	8	19	16	21	14	15	11	12	16	167
Berkeley	126	87	134	106	97	109	130	114	116	143	102	115	1,379
Boone	24	28	18	18	26	23	30	31	24	23	11	22	278
Braxton	17	9	14	14	12	10	14	15	11	14	12	11	153
Brooke	10	11	21	13	19	17	20	21	9	12	15	12	180
Cabell	106	94	97	92	100	68	83	105	103	119	92	101	1,160
Calhoun	10	6	5	11	8	5	9	8	5	3	3	9	82
Clay	3	11	12	5	5	8	11	14	6	8	11	9	103
Doddridge	9	8	2	4	4	5	6	8	6	3	5	4	64
Fayette	37	44	61	43	50	54	42	54	56	41	50	47	579
Gilmer	6	7	8	4	10	4	8	7	4	5	5	5	73
Grant	10	9	11	9	9	9	16	7	10	9	11	12	122
Greenbrier	23	20	45	27	34	33	33	30	28	28	30	37	368
Hampshire	22	18	13	25	17	19	23	16	23	17	19	20	232
Hancock	24	22	19	24	20	20	25	24	15	27	19	19	258
Hardy	10	11	5	9	12	15	9	14	11	16	10	17	139
Harrison	70	59	78	65	71	60	76	64	68	64	62	87	824
Jackson	30	25	21	26	34	29	30	27	25	29	32	29	337
Jefferson	43	47	49	54	47	45	47	60	62	53	60	55	622
Kanawha	198	168	173	183	202	176	193	218	177	193	165	193	2,239
Lewis	19	14	22	13	13	17	17	23	18	25	15	15	211
Lincoln	26	24	29	26	18	26	23	31	21	24	18	16	282
Logan	22	39	35	33	41	41	34	39	31	44	40	34	433
McDowell	15	23	21	21	18	28	26	27	29	18	24	22	272
Marion	62	45	66	64	57	54	64	50	56	66	66	46	696
Marshall	27	24	27	20	27	26	39	30	32	34	18	17	321
Mason	25	16	21	27	18	21	33	22	24	29	20	25	281
Mercer	66	50	63	42	58	63	65	64	74	69	58	65	737
Mineral	27	24	21	31	19	36	19	23	36	18	28	20	302
Mingo	22	27	33	21	30	27	27	31	28	18	20	32	316
Monongalia	104	76	78	92	96	90	95	89	97	83	88	91	1,079
Monroe	15	14	9	9	6	14	6	17	11	7	5	8	121
Morgan	17	9	9	6	15	8	15	14	13	19	16	10	151
Nicholas	19	24	24	24	21	27	27	23	24	23	22	27	285
Ohio	42	30	36	34	44	40	48	39	38	33	35	41	460
Pendleton	6	7	4	6	2	7	12	6	6	7	6	8	77
Pleasants	5	2	14	7	2	7	10	9	6	6	9	7	84
Pocahontas	10	6	7	5	7	11	13	10	7	7	7	7	97
Preston	34	34	34	22	29	24	30	25	31	29	34	35	361
Putnam	52	43	60	47	57	46	71	62	52	53	37	53	633
Raleigh	64	72	85	77	68	79	70	83	96	85	69	71	919
Randolph	29	17	31	27	26	24	24	32	24	25	20	31	310
Ritchie	8	7	4	10	8	12	13	8	4	7	7	8	96
Roane	8	17	14	11	14	7	15	15	11	11	12	14	149
Summers	9	7	5	8	8	13	9	10	8	8	5	7	97
Taylor	21	10	16	9	9	14	16	18	21	7	21	11	173
Tucker	4	6	7	10	9	7	7	10	8	3	3	2	76
Tyler	8	7	8	8	8	9	8	6	4	6	9	13	94
Upshur	35	19	24	31	26	19	17	17	26	18	19	24	275
Wayne	31	42	35	43	43	51	40	44	45	51	33	34	492
Webster	12	1	7	8	8	6	10	8	14	8	5	11	98
Wetzel	14	15	12	13	17	17	10	21	13	10	12	20	174
Wirt	5	7	8	2	6	3	6	3	10	5	6	1	62
Wood	84	82	90	78	87	75	117	87	72	95	83	89	1,039
Wyoming	21	24	24	18	22	8	24	15	14	13	21	13	217
Total	1,755	1,559	1,784	1,643	1,733	1,682	1,886	1,862	1,778	1,782	1,617	1,748	20,829

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Place of Delivery, Gender of Child by Race of Mother and Marital Status of Mother by County  
West Virginia Resident Births, 2013

Table 48

County	Place of Delivery		White or Caucasian		Black or African American		All Other Races		Number of Births to Unmarried Mothers	Total
	Hospital*	Non-Hospital**	Male	Female	Male	Female	Male	Female		
Barbour	166	1	77	89	0	0	0	1	75	167
Berkeley	1,364	15	636	608	44	38	24	27	603	1,379
Boone	277	1	132	142	1	3	0	0	131	278
Braxton	153	0	70	81	1	0	0	1	71	153
Brooke	178	2	96	79	1	1	2	1	83	180
Cabell	1,153	7	566	521	33	22	11	7	524	1,160
Calhoun	80	2	39	43	0	0	0	0	38	82
Clay	102	1	59	43	0	1	0	0	52	103
Doddridge	63	1	31	32	0	0	1	0	22	64
Fayette	578	1	300	256	9	10	1	2	284	579
Gilmer	73	0	42	30	0	1	0	0	30	73
Grant	122	0	58	63	0	0	0	1	60	122
Greenbrier	364	4	171	170	8	8	6	5	180	368
Hampshire	231	1	113	109	4	2	3	1	97	232
Hancock	257	1	121	122	2	4	7	1	126	258
Hardy	139	0	67	65	1	1	3	2	73	139
Harrison	821	3	411	395	5	6	3	3	378	824
Jackson	336	1	172	161	0	3	0	1	136	337
Jefferson	615	7	298	265	17	12	13	17	225	622
Kanawha	2,228	11	1,011	979	104	98	18	24	1,107	2,239
Lewis	210	1	109	101	0	0	1	0	101	211
Lincoln	281	1	146	133	2	1	0	0	140	282
Logan	433	0	199	222	4	6	0	1	191	433
McDowell	269	3	109	143	5	11	1	3	129	272
Marion	694	2	332	329	13	8	5	8	314	696
Marshall	320	1	164	152	1	1	0	3	170	321
Mason	279	2	161	115	1	0	3	0	122	281
Mercer	735	2	335	337	27	23	10	4	349	737
Mineral	299	3	149	139	4	3	4	3	147	302
Mingo	314	2	151	160	2	2	1	0	142	316
Monongalia	1,073	6	492	467	18	27	41	34	322	1,079
Monroe	117	4	58	59	0	1	0	1	49	121
Morgan	147	4	70	78	1	0	2	0	75	151
Nicholas	284	1	143	140	0	0	1	1	126	285
Ohio	459	1	235	200	8	10	4	3	250	460
Pendleton	76	1	37	38	1	1	0	0	21	77
Pleasants	84	0	46	38	0	0	0	0	29	84
Pocahontas	92	5	43	48	4	2	0	0	50	97
Preston	360	1	188	171	0	1	0	1	142	361
Putnam	630	3	334	289	3	2	3	2	212	633
Raleigh	913	6	428	406	40	27	10	7	405	919
Randolph	307	3	153	151	3	1	0	0	152	310
Ritchie	95	1	42	54	0	0	0	0	42	96
Roane	148	1	71	78	0	0	0	0	69	149
Summers	92	5	53	42	1	0	1	0	47	97
Taylor	172	1	83	88	0	2	0	0	81	173
Tucker	75	1	40	36	0	0	0	0	26	76
Tyler	93	1	45	49	0	0	0	0	41	94
Upshur	273	2	143	130	2	0	0	0	138	275
Wayne	490	2	246	241	4	1	0	0	211	492
Webster	98	0	44	53	0	0	0	1	52	98
Wetzel	171	3	82	91	0	0	1	0	100	174
Wirt	62	0	33	29	0	0	0	0	28	62
Wood	1,034	5	502	507	10	8	6	4	526	1,039
Wyoming	217	0	103	112	0	1	0	0	84	217
Total	20,696	133	10,039	9,679	384	349	186	170	9,378	20,829

\*Includes hospitals, en-route to hospital and birthing centers. \*\*Includes 14 unknown.

NOTE: Does NOT include 22 births to mothers of an unknown race.

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Trimester Prenatal Care Began by County  
West Virginia Resident Births, 2013  
Table 49

County	First Trimester		Second Trimester		Third Trimester		No Care		Unknown	Total
	Births	Percent*	Births	Percent*	Births	Percent*	Births	Percent*		
Barbour	139	83.7%	23	13.9%	2	1.2%	2	1.2%	1	167
Berkeley	1,195	88.0%	126	9.3%	24	1.8%	13	1.0%	21	1,379
Boone	217	78.3%	44	15.9%	14	5.1%	2	0.7%	1	278
Braxton	114	75.5%	33	21.9%	3	2.0%	1	0.7%	2	153
Brooke	135	77.1%	34	19.4%	5	2.9%	1	0.6%	5	180
Cabell	974	84.3%	153	13.2%	25	2.2%	4	0.3%	4	1,160
Calhoun	70	86.4%	10	12.3%	1	1.2%	0	0.0%	1	82
Clay	77	75.5%	16	15.7%	4	3.9%	5	4.9%	1	103
Doddridge	57	90.5%	6	9.5%	0	0.0%	0	0.0%	1	64
Fayette	357	63.1%	150	26.5%	55	9.7%	4	0.7%	13	579
Gilmer	57	79.2%	14	19.4%	1	1.4%	0	0.0%	1	73
Grant	90	76.3%	23	19.5%	5	4.2%	0	0.0%	4	122
Greenbrier	316	86.8%	37	10.2%	8	2.2%	3	0.8%	4	368
Hampshire	192	83.1%	30	13.0%	4	1.7%	5	2.2%	1	232
Hancock	187	75.4%	45	18.1%	11	4.4%	5	2.0%	10	258
Hardy	113	81.3%	20	14.4%	4	2.9%	2	1.4%	0	139
Harrison	700	85.2%	106	12.9%	11	1.3%	5	0.6%	2	824
Jackson	290	87.1%	32	9.6%	9	2.7%	2	0.6%	4	337
Jefferson	532	88.7%	58	9.7%	7	1.2%	3	0.5%	22	622
Kanawha	1,835	82.2%	302	13.5%	75	3.4%	20	0.9%	7	2,239
Lewis	183	86.7%	24	11.4%	3	1.4%	1	0.5%	0	211
Lincoln	222	79.0%	47	16.7%	11	3.9%	1	0.4%	1	282
Logan	309	77.8%	68	17.1%	18	4.5%	2	0.5%	36	433
McDowell	194	72.4%	55	20.5%	19	7.1%	0	0.0%	4	272
Marion	511	73.4%	157	22.6%	27	3.9%	1	0.1%	0	696
Marshall	265	83.1%	49	15.4%	3	0.9%	2	0.6%	2	321
Mason	205	78.2%	44	16.8%	11	4.2%	2	0.8%	19	281
Mercer	537	73.3%	159	21.7%	32	4.4%	5	0.7%	4	737
Mineral	233	79.0%	51	17.3%	10	3.4%	1	0.3%	7	302
Mingo	231	77.3%	61	20.4%	7	2.3%	0	0.0%	17	316
Monongalia	904	83.9%	141	13.1%	21	1.9%	11	1.0%	2	1,079
Monroe	94	79.7%	19	16.1%	5	4.2%	0	0.0%	3	121
Morgan	124	82.7%	22	14.7%	4	2.7%	0	0.0%	1	151
Nicholas	204	75.3%	53	19.6%	13	4.8%	1	0.4%	14	285
Ohio	379	84.4%	55	12.2%	8	1.8%	7	1.6%	11	460
Pendleton	63	81.8%	12	15.6%	2	2.6%	0	0.0%	0	77
Pleasants	77	93.9%	5	6.1%	0	0.0%	0	0.0%	2	84
Pocahontas	66	70.2%	26	27.7%	2	2.1%	0	0.0%	3	97
Preston	299	83.8%	51	14.3%	6	1.7%	1	0.3%	4	361
Putnam	554	87.7%	57	9.0%	16	2.5%	5	0.8%	1	633
Raleigh	602	66.1%	255	28.0%	53	5.8%	1	0.1%	8	919
Randolph	253	82.1%	47	15.3%	6	1.9%	2	0.6%	2	310
Ritchie	87	93.5%	4	4.3%	1	1.1%	1	1.1%	3	96
Roane	121	81.2%	23	15.4%	5	3.4%	0	0.0%	0	149
Summers	72	75.0%	19	19.8%	5	5.2%	0	0.0%	1	97
Taylor	144	83.7%	22	12.8%	5	2.9%	1	0.6%	1	173
Tucker	64	87.7%	7	9.6%	2	2.7%	0	0.0%	3	76
Tyler	77	82.8%	13	14.0%	1	1.1%	2	2.2%	1	94
Upshur	243	89.0%	25	9.2%	5	1.8%	0	0.0%	2	275
Wayne	418	85.7%	57	11.7%	13	2.7%	0	0.0%	4	492
Webster	77	81.1%	17	17.9%	1	1.1%	0	0.0%	3	98
Wetzel	131	75.7%	35	20.2%	4	2.3%	3	1.7%	1	174
Wirt	59	96.7%	1	1.6%	0	0.0%	1	1.6%	1	62
Wood	938	92.7%	65	6.4%	6	0.6%	3	0.3%	27	1,039
Wyoming	142	67.6%	53	25.2%	14	6.7%	1	0.5%	7	217
Total	16,729	81.5%	3,061	14.9%	607	3.0%	132	0.6%	300	20,829

\*Percentages calculated excluding unknown.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Number of Prenatal Visits by County  
West Virginia Resident Births, 2013  
Table 50

County	Number of Prenatal Visits										Un- known	Total
	No Visits		1-5 Visits		6-10 Visits		11-15 Visits		16 or More Visits			
	Births	Percent*	Births	Percent*	Births	Percent*	Births	Percent*	Births	Percent*		
Barbour	2	1.2%	5	3.0%	35	21.2%	110	66.7%	13	7.9%	2	167
Berkeley	13	0.9%	48	3.5%	329	24.0%	837	61.0%	145	10.6%	7	1,379
Boone	2	0.7%	31	11.2%	89	32.1%	133	48.0%	22	7.9%	1	278
Braxton	1	0.7%	8	5.2%	52	34.0%	84	54.9%	8	5.2%	0	153
Brooke	1	0.6%	10	5.6%	49	27.7%	115	65.0%	2	1.1%	3	180
Cabell	4	0.3%	95	8.2%	444	38.4%	456	39.5%	156	13.5%	5	1,160
Calhoun	0	0.0%	5	6.2%	27	33.3%	41	50.6%	8	9.9%	1	82
Clay	5	4.9%	15	14.7%	35	34.3%	42	41.2%	5	4.9%	1	103
Doddridge	0	0.0%	1	1.6%	12	18.8%	48	75.0%	3	4.7%	0	64
Fayette	4	0.7%	52	9.1%	149	26.1%	268	46.9%	98	17.2%	8	579
Gilmer	0	0.0%	4	5.5%	18	24.7%	48	65.8%	3	4.1%	0	73
Grant	0	0.0%	6	5.0%	16	13.4%	57	47.9%	40	33.6%	3	122
Greenbrier	3	0.9%	53	15.6%	102	30.0%	160	47.1%	22	6.5%	28	368
Hampshire	5	2.2%	10	4.3%	58	25.0%	151	65.1%	8	3.4%	0	232
Hancock	5	2.0%	17	6.6%	98	38.3%	122	47.7%	14	5.5%	2	258
Hardy	2	1.4%	4	2.9%	22	15.8%	76	54.7%	35	25.2%	0	139
Harrison	5	0.6%	28	3.4%	176	21.4%	555	67.4%	59	7.2%	1	824
Jackson	2	0.6%	28	8.4%	122	36.4%	141	42.1%	42	12.5%	2	337
Jefferson	3	0.5%	24	3.9%	147	23.9%	372	60.4%	70	11.4%	6	622
Kanawha	20	0.9%	188	8.4%	727	32.5%	1,013	45.3%	286	12.8%	5	2,239
Lewis	1	0.5%	11	5.2%	41	19.4%	136	64.5%	22	10.4%	0	211
Lincoln	1	0.4%	23	8.2%	88	31.2%	122	43.3%	48	17.0%	0	282
Logan	2	0.5%	37	8.6%	143	33.4%	197	46.0%	49	11.4%	5	433
McDowell	0	0.0%	22	8.2%	68	25.4%	134	50.0%	44	16.4%	4	272
Marion	1	0.1%	33	4.8%	183	26.4%	402	57.9%	75	10.8%	2	696
Marshall	2	0.6%	12	3.8%	70	21.9%	229	71.8%	6	1.9%	2	321
Mason	2	0.7%	21	7.5%	71	25.4%	132	47.3%	53	19.0%	2	281
Mercer	5	0.7%	40	5.4%	190	25.9%	420	57.1%	80	10.9%	2	737
Mineral	1	0.3%	53	17.6%	132	43.9%	105	34.9%	10	3.3%	1	302
Mingo	0	0.0%	35	11.3%	103	33.3%	141	45.6%	30	9.7%	7	316
Monongalia	11	1.0%	41	3.8%	219	20.4%	624	58.1%	179	16.7%	5	1,079
Monroe	0	0.0%	18	15.3%	22	18.6%	75	63.6%	3	2.5%	3	121
Morgan	0	0.0%	3	2.0%	49	32.7%	92	61.3%	6	4.0%	1	151
Nicholas	1	0.4%	17	6.0%	121	42.9%	124	44.0%	19	6.7%	3	285
Ohio	7	1.5%	14	3.1%	96	21.1%	336	73.8%	2	0.4%	5	460
Pendleton	0	0.0%	1	1.3%	15	19.5%	42	54.5%	19	24.7%	0	77
Pleasants	0	0.0%	6	7.2%	27	32.5%	38	45.8%	12	14.5%	1	84
Pocahontas	0	0.0%	16	17.4%	32	34.8%	39	42.4%	5	5.4%	5	97
Preston	1	0.3%	25	7.0%	95	26.5%	185	51.5%	53	14.8%	2	361
Putnam	5	0.8%	38	6.0%	181	28.6%	307	48.6%	101	16.0%	1	633
Raleigh	1	0.1%	54	5.9%	196	21.4%	465	50.9%	198	21.7%	5	919
Randolph	2	0.7%	14	4.6%	66	21.6%	191	62.4%	33	10.8%	4	310
Ritchie	1	1.1%	7	7.4%	28	29.8%	44	46.8%	14	14.9%	2	96
Roane	0	0.0%	18	12.1%	58	38.9%	58	38.9%	15	10.1%	0	149
Summers	0	0.0%	10	10.3%	29	29.9%	53	54.6%	5	5.2%	0	97
Taylor	1	0.6%	8	4.6%	29	16.8%	115	66.5%	20	11.6%	0	173
Tucker	0	0.0%	2	2.6%	21	27.6%	44	57.9%	9	11.8%	0	76
Tyler	2	2.1%	5	5.3%	36	38.3%	43	45.7%	8	8.5%	0	94
Upshur	0	0.0%	8	2.9%	43	15.7%	196	71.5%	27	9.9%	1	275
Wayne	0	0.0%	46	9.4%	203	41.6%	169	34.6%	70	14.3%	4	492
Webster	0	0.0%	7	7.1%	49	50.0%	38	38.8%	4	4.1%	0	98
Wetzel	3	1.7%	15	8.6%	53	30.5%	92	52.9%	11	6.3%	0	174
Wirt	1	1.6%	3	4.9%	19	31.1%	27	44.3%	11	18.0%	1	62
Wood	3	0.3%	61	5.9%	321	31.2%	454	44.2%	189	18.4%	11	1,039
Wyoming	1	0.5%	9	4.2%	39	18.2%	124	57.9%	41	19.2%	3	217
Total	132	0.6%	1,365	6.6%	5,843	28.3%	10,822	52.4%	2,510	12.1%	157	20,829

\*Percentages calculated excluding unknown.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Pregnancy Risk Factors, Cesarean Sections, Delivery Complications,  
Congenital Anomalies and/or Abnormal Conditions of the Newborn  
Percent\* of Total Births by County of Residence  
West Virginia Resident Births, 2013

Table 51

County	Pregnancy Risk Factors			Cesarean Section		1 or More Complications of Labor and/or Delivery	1 or More Congenital Anomalies	1 or More Abnormal Conditions of the Newborn
	Alcohol Use	Tobacco Use	1 or More Medical Risk Factors	Primary	Repeat			
Barbour	0.0	28.9	43.7	18.0	17.4	29.9	1.8	4.8
Berkeley	0.6	22.0	61.8	17.8	15.7	27.6	0.9	23.4
Boone	0.4	28.8	29.9	27.3	20.1	38.5	0.0	0.7
Braxton	0.0	31.6	35.9	19.6	14.4	30.3	2.0	3.9
Brooke	0.0	32.8	33.5	27.8	13.9	25.0	1.7	6.1
Cabell	0.2	26.7	44.8	19.2	16.7	22.9	0.3	3.1
Calhoun	0.0	29.3	43.9	20.7	23.2	31.7	0.0	17.1
Clay	0.0	35.9	31.1	20.4	19.4	34.0	0.0	1.9
Doddridge	0.0	31.3	48.4	15.6	10.9	23.4	1.6	7.8
Fayette	0.3	27.2	47.6	19.3	11.9	45.9	1.6	22.1
Gilmer	1.4	16.4	47.9	24.7	17.8	31.5	1.4	4.1
Grant	0.0	29.5	41.8	25.4	21.3	39.3	1.6	0.8
Greenbrier	0.0	27.8	34.2	13.6	8.2	56.3	3.3	16.0
Hampshire	1.5	26.8	28.9	19.0	15.5	27.7	1.3	1.7
Hancock	0.0	35.2	43.1	26.4	14.7	24.4	1.2	4.3
Hardy	1.4	32.4	38.1	21.6	18.0	43.9	4.3	3.6
Harrison	0.1	26.0	55.0	16.5	19.7	26.2	1.7	4.4
Jackson	0.6	24.7	37.2	23.1	16.9	42.1	0.3	15.7
Jefferson	1.0	17.3	50.8	15.9	15.1	30.2	2.7	10.5
Kanawha	0.1	22.1	33.4	23.6	19.4	33.4	0.1	0.3
Lewis	0.0	25.1	48.8	19.0	15.2	23.2	3.3	3.3
Lincoln	0.0	35.1	37.6	21.6	22.3	27.0	0.4	1.8
Logan	0.0	32.8	57.4	29.8	25.2	34.5	0.5	4.6
McDowell	0.0	41.0	49.3	15.8	15.8	26.5	1.8	3.7
Marion	0.1	25.7	42.8	19.0	14.4	36.4	2.7	8.3
Marshall	1.0	27.9	39.6	19.3	19.0	27.3	1.2	3.1
Mason	0.0	32.3	57.7	20.6	19.9	19.6	0.4	4.3
Mercer	0.4	25.4	52.1	16.6	15.3	32.7	1.6	4.0
Mineral	0.0	32.1	8.3	21.2	11.3	7.9	1.0	1.3
Mingo	0.0	34.7	32.5	24.7	26.3	15.8	1.3	4.8
Monongalia	1.1	14.6	36.9	18.8	13.4	35.7	2.4	3.8
Monroe	0.0	22.3	32.2	11.6	11.6	35.5	3.3	9.1
Morgan	0.8	27.2	52.7	13.9	14.6	26.0	0.7	19.5
Nicholas	0.0	32.2	29.8	25.3	14.7	38.2	0.7	9.5
Ohio	0.0	21.4	29.7	19.3	13.5	22.0	0.4	1.7
Pendleton	1.3	18.2	40.3	27.3	13.0	33.8	2.6	2.6
Pleasants	1.3	25.0	50.6	15.5	19.0	39.3	1.2	32.1
Pocahontas	0.0	25.0	25.8	13.4	5.2	37.1	7.2	11.3
Preston	0.6	33.0	39.7	14.1	15.2	24.7	1.1	3.3
Putnam	0.3	13.3	35.0	21.8	17.5	27.0	0.2	0.8
Raleigh	0.0	25.5	44.4	15.3	14.8	50.0	1.6	22.8
Randolph	0.3	30.6	31.3	15.2	16.5	28.2	2.3	4.2
Ritchie	0.0	26.3	52.1	15.6	15.6	49.0	2.1	27.1
Roane	0.0	32.9	34.9	16.8	20.8	38.3	1.3	8.7
Summers	0.0	29.9	48.5	16.5	9.3	43.3	2.1	10.3
Taylor	0.0	24.9	48.6	17.9	19.7	29.5	1.7	2.3
Tucker	0.0	38.2	21.1	19.7	7.9	21.1	1.3	1.3
Tyler	0.0	25.5	48.9	29.8	19.1	37.6	1.1	24.5
Upshur	0.0	34.2	34.5	13.5	14.2	22.2	1.5	2.9
Wayne	0.2	28.7	41.1	16.7	16.3	17.5	0.8	3.1
Webster	0.0	33.0	30.6	18.4	17.3	28.6	1.0	7.1
Wetzel	0.0	37.0	56.1	14.4	14.4	34.1	1.1	8.7
Wirt	0.0	33.9	43.5	38.7	16.1	50.0	0.0	25.8
Wood	1.4	21.9	48.7	20.3	18.7	42.8	1.5	32.6
Wyoming	0.0	25.5	59.0	26.3	12.4	46.5	0.0	19.8
Total	0.4	25.6	42.6	19.7	16.5	32.1	1.3	9.0

\*Percentages calculated excluding unknown.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Number of Deaths by Race, Gender and County of Residence  
West Virginia, 2013  
Table 52

County	White or Caucasian		Black or African American		All Other Races		Total
	Male	Female	Male	Female	Male	Female	
Barbour	100	91	0	4	1	1	197
Berkeley	454	394	40	24	2	4	918
Boone	157	153	1	0	0	0	311
Braxton	79	94	1	0	0	0	174
Brooke	153	130	0	1	0	0	284
Cabell	571	613	25	21	2	2	1,234
Calhoun	45	48	0	0	0	0	93
Clay	58	55	0	0	0	0	113
Doddridge	37	41	0	0	0	0	78
Fayette	317	301	8	21	0	1	648
Gilmer	44	38	0	0	0	0	82
Grant	69	62	0	0	0	0	131
Greenbrier	219	210	5	8	0	1	443
Hampshire	150	120	1	0	0	0	271
Hancock	201	170	8	3	0	0	382
Hardy	67	59	0	2	0	0	128
Harrison	435	415	6	3	0	0	859
Jackson	172	155	1	0	0	0	328
Jefferson	182	182	14	11	2	2	395
Kanawha	1,146	1,189	68	79	2	4	2,489
Lewis	107	101	1	0	1	0	210
Lincoln	145	112	1	0	0	0	258
Logan	282	245	7	5	2	0	541
McDowell	186	138	15	30	0	0	369
Marion	267	335	15	10	0	1	628
Marshall	209	203	1	0	0	1	414
Mason	185	149	2	1	0	0	337
Mercer	434	436	20	23	0	0	914
Mineral	152	178	4	3	1	0	338
Mingo	193	163	5	7	0	0	368
Monongalia	304	342	7	8	1	1	663
Monroe	78	100	3	1	0	0	182
Morgan	123	100	2	0	1	0	226
Nicholas	162	165	0	0	0	0	327
Ohio	255	287	10	7	0	1	560
Pendleton	45	49	1	0	0	0	95
Pleasants	38	34	0	0	0	0	72
Pocahontas	60	52	2	2	0	0	116
Preston	185	177	3	0	0	0	365
Putnam	275	267	0	0	4	2	548
Raleigh	470	418	44	27	4	1	964
Randolph	208	177	3	0	1	0	389
Ritchie	49	51	0	0	0	0	100
Roane	99	99	0	0	0	1	199
Summers	100	101	3	3	0	0	207
Taylor	100	94	1	1	0	0	196
Tucker	47	51	0	0	1	0	99
Tyler	59	51	0	0	0	0	110
Upshur	128	116	2	0	0	1	247
Wayne	237	243	0	0	0	2	482
Webster	67	64	0	0	0	0	131
Wetzel	105	116	0	0	0	0	221
Wirt	27	29	0	0	0	1	57
Wood	512	519	5	7	1	0	1,045
Wyoming	160	147	2	0	0	0	310
Total	10,709	10,429	337	312	26	27	21,846

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Number of Deaths by County of Residence and Occurrence  
West Virginia, 2013  
Table 53

County	Residence	Occurrence	County	Residence	Occurrence
Barbour	197	131	Monongalia	663	1,472
Berkeley	918	916	Monroe	182	99
Boone	311	185	Morgan	226	156
Braxton	174	134	Nicholas	327	235
Brooke	284	277	Ohio	560	994
Cabell	1,234	2,196	Pendleton	95	65
Calhoun	93	65	Pleasants	72	58
Clay	113	55	Pocahontas	116	76
Doddridge	78	41	Preston	365	250
Fayette	648	426	Putnam	548	382
Gilmer	82	60	Raleigh	964	1,224
Grant	131	129	Randolph	389	396
Greenbrier	443	418	Ritchie	100	55
Hampshire	271	164	Roane	199	122
Hancock	382	162	Summers	207	153
Hardy	128	85	Taylor	196	137
Harrison	859	948	Tucker	99	80
Jackson	328	247	Tyler	110	81
Jefferson	395	335	Upshur	247	199
Kanawha	2,489	3,292	Wayne	482	244
Lewis	210	170	Webster	131	82
Lincoln	258	86	Wetzel	221	158
Logan	541	435	Wirt	57	20
McDowell	369	249	Wood	1,045	1,028
Marion	628	473	Wyoming	310	133
Marshall	414	242			
Mason	337	229			
Mercer	914	940	Total	21,846	21,421
Mineral	338	223			
Mingo	368	209			

Resident deaths include 1,992 West Virginians dying out of state.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Method of Disposition by County of Residence  
West Virginia Deaths, 2013  
Table 54

County	Method of Disposition										Un- known	Total
	Burial		Cremation		Donation		Removal From State		Other			
	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*		
Barbour	147	74.6%	39	19.8%	4	2.0%	1	0.5%	6	3.0%	0	197
Berkeley	433	50.9%	391	45.9%	15	1.8%	2	0.2%	10	1.2%	67	918
Boone	251	81.0%	42	13.5%	9	2.9%	4	1.3%	4	1.3%	1	311
Braxton	132	75.9%	37	21.3%	3	1.7%	0	0.0%	2	1.1%	0	174
Brooke	123	43.5%	76	26.9%	2	0.7%	79	27.9%	3	1.1%	0	283
Cabell	796	64.6%	370	30.0%	17	1.4%	10	0.8%	40	3.2%	1	1,234
Calhoun	65	69.9%	24	25.8%	1	1.1%	3	3.2%	0	0.0%	0	93
Clay	79	72.5%	22	20.2%	2	1.8%	5	4.6%	1	0.9%	4	113
Doddridge	44	56.4%	29	37.2%	1	1.3%	3	3.8%	1	1.3%	0	78
Fayette	412	64.2%	166	25.9%	13	2.0%	4	0.6%	47	7.3%	6	648
Gilmer	55	67.9%	25	30.9%	1	1.2%	0	0.0%	0	0.0%	1	82
Grant	87	72.5%	30	25.0%	2	1.7%	1	0.8%	0	0.0%	11	131
Greenbrier	269	68.1%	103	26.1%	10	2.5%	2	0.5%	11	2.8%	48	443
Hampshire	104	51.2%	87	42.9%	7	3.4%	5	2.5%	0	0.0%	68	271
Hancock	146	38.3%	94	24.7%	2	0.5%	124	32.5%	15	3.9%	1	382
Hardy	61	62.2%	37	37.8%	0	0.0%	0	0.0%	0	0.0%	30	128
Harrison	561	65.5%	262	30.6%	14	1.6%	5	0.6%	14	1.6%	3	859
Jackson	226	69.1%	77	23.5%	7	2.1%	9	2.8%	8	2.4%	1	328
Jefferson	140	40.6%	199	57.7%	5	1.4%	1	0.3%	0	0.0%	50	395
Kanawha	1,505	60.8%	760	30.7%	62	2.5%	24	1.0%	124	5.0%	14	2,489
Lewis	154	73.3%	44	21.0%	8	3.8%	4	1.9%	0	0.0%	0	210
Lincoln	221	86.0%	29	11.3%	2	0.8%	2	0.8%	3	1.2%	1	258
Logan	397	73.4%	113	20.9%	1	0.2%	6	1.1%	24	4.4%	0	541
McDowell	227	69.6%	81	24.8%	1	0.3%	5	1.5%	12	3.7%	43	369
Marion	430	68.5%	161	25.6%	16	2.5%	9	1.4%	12	1.9%	0	628
Marshall	223	54.3%	158	38.4%	9	2.2%	6	1.5%	15	3.6%	3	414
Mason	224	66.7%	58	17.3%	1	0.3%	52	15.5%	1	0.3%	1	337
Mercer	570	67.1%	234	27.6%	4	0.5%	14	1.6%	27	3.2%	65	914
Mineral	211	65.3%	96	29.7%	10	3.1%	2	0.6%	4	1.2%	14	337
Mingo	307	83.4%	52	14.1%	0	0.0%	6	1.6%	3	0.8%	0	368
Monongalia	415	62.6%	218	32.9%	12	1.8%	13	2.0%	5	0.8%	0	663
Monroe	111	73.5%	35	23.2%	2	1.3%	2	1.3%	1	0.7%	31	182
Morgan	90	50.3%	86	48.0%	1	0.6%	1	0.6%	1	0.6%	47	226
Nicholas	221	68.0%	91	28.0%	7	2.2%	2	0.6%	4	1.2%	2	327
Ohio	260	46.6%	231	41.4%	14	2.5%	26	4.7%	27	4.8%	2	560
Pendleton	49	66.2%	23	31.1%	0	0.0%	2	2.7%	0	0.0%	21	95
Pleasants	50	69.4%	10	13.9%	3	4.2%	9	12.5%	0	0.0%	0	72
Pocahontas	72	67.3%	32	29.9%	1	0.9%	1	0.9%	1	0.9%	9	116
Preston	234	64.3%	112	30.8%	6	1.6%	10	2.7%	2	0.5%	1	365
Putnam	362	66.2%	143	26.1%	11	2.0%	7	1.3%	24	4.4%	1	548
Raleigh	628	66.3%	234	24.7%	13	1.4%	11	1.2%	61	6.4%	17	964
Randolph	263	67.6%	115	29.6%	5	1.3%	3	0.8%	3	0.8%	0	389
Ritchie	70	70.0%	26	26.0%	1	1.0%	3	3.0%	0	0.0%	0	100
Roane	136	68.7%	55	27.8%	5	2.5%	0	0.0%	2	1.0%	1	199
Summers	157	77.0%	42	20.6%	2	1.0%	2	1.0%	1	0.5%	3	207
Taylor	141	72.3%	48	24.6%	4	2.1%	1	0.5%	1	0.5%	1	196
Tucker	71	71.7%	25	25.3%	1	1.0%	1	1.0%	1	1.0%	0	99
Tyler	63	57.3%	39	35.5%	3	2.7%	5	4.5%	0	0.0%	0	110
Upshur	162	66.1%	78	31.8%	4	1.6%	1	0.4%	0	0.0%	2	247
Wayne	385	80.2%	80	16.7%	6	1.3%	6	1.3%	3	0.6%	2	482
Webster	97	74.0%	31	23.7%	0	0.0%	2	1.5%	1	0.8%	0	131
Wetzel	160	72.7%	52	23.6%	1	0.5%	7	3.2%	0	0.0%	1	221
Wirt	31	55.4%	23	41.1%	0	0.0%	2	3.6%	0	0.0%	1	57
Wood	653	62.8%	314	30.2%	17	1.6%	30	2.9%	25	2.4%	6	1,045
Wyoming	214	70.6%	68	22.4%	1	0.3%	5	1.7%	15	5.0%	7	310
Total	13,695	64.4%	6,107	28.7%	349	1.6%	540	2.5%	565	2.7%	588	21,844

Note: Majority of unknown disposition are likely due to residents dying out of state.

\*Percentage calculated excluding unknown disposition.

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Method of Disposition by County of Occurrence  
West Virginia Deaths, 2013  
Table 54 (Cont'd)

County	Method of Disposition										Un- known	Total
	Burial		Cremation		Donation		Removal From State		Other			
	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*		
Barbour	100	76.3%	25	19.1%	1	0.8%	1	0.8%	4	3.1%	0	131
Berkeley	460	50.2%	435	47.5%	11	1.2%	1	0.1%	9	1.0%	0	916
Boone	154	83.2%	22	11.9%	6	3.2%	0	0.0%	3	1.6%	0	185
Braxton	101	75.4%	29	21.6%	2	1.5%	0	0.0%	2	1.5%	0	134
Brooke	159	57.4%	105	37.9%	3	1.1%	3	1.1%	7	2.5%	0	277
Cabell	1,569	71.5%	539	24.6%	25	1.1%	7	0.3%	54	2.5%	2	2,196
Calhoun	48	73.8%	16	24.6%	1	1.5%	0	0.0%	0	0.0%	0	65
Clay	32	60.4%	18	34.0%	1	1.9%	1	1.9%	1	1.9%	2	55
Doddridge	23	56.1%	17	41.5%	1	2.4%	0	0.0%	0	0.0%	0	41
Fayette	279	65.6%	105	24.7%	10	2.4%	1	0.2%	30	7.1%	1	426
Gilmer	36	61.0%	23	39.0%	0	0.0%	0	0.0%	0	0.0%	1	60
Grant	94	73.4%	32	25.0%	1	0.8%	0	0.0%	1	0.8%	1	129
Greenbrier	293	70.1%	106	25.4%	9	2.2%	0	0.0%	10	2.4%	0	418
Hampshire	89	54.3%	70	42.7%	5	3.0%	0	0.0%	0	0.0%	0	164
Hancock	86	53.1%	64	39.5%	1	0.6%	1	0.6%	10	6.2%	0	162
Hardy	54	63.5%	31	36.5%	0	0.0%	0	0.0%	0	0.0%	0	85
Harrison	639	67.5%	269	28.4%	25	2.6%	0	0.0%	14	1.5%	1	948
Jackson	180	73.2%	53	21.5%	4	1.6%	0	0.0%	9	3.7%	1	247
Jefferson	146	43.6%	186	55.5%	3	0.9%	0	0.0%	0	0.0%	0	335
Kanawha	2,114	64.4%	943	28.7%	79	2.4%	3	0.1%	145	4.4%	8	3,292
Lewis	119	70.0%	44	25.9%	5	2.9%	1	0.6%	1	0.6%	0	170
Lincoln	75	87.2%	9	10.5%	2	2.3%	0	0.0%	0	0.0%	0	86
Logan	336	77.2%	86	19.8%	1	0.2%	0	0.0%	12	2.8%	0	435
McDowell	182	73.1%	58	23.3%	1	0.4%	2	0.8%	6	2.4%	0	249
Marion	334	70.6%	118	24.9%	11	2.3%	1	0.2%	9	1.9%	0	473
Marshall	143	59.1%	86	35.5%	5	2.1%	1	0.4%	7	2.9%	0	242
Mason	175	76.4%	50	21.8%	1	0.4%	3	1.3%	0	0.0%	0	229
Mercer	638	67.9%	263	28.0%	4	0.4%	4	0.4%	31	3.3%	0	940
Mineral	150	67.3%	64	28.7%	6	2.7%	0	0.0%	3	1.3%	0	223
Mingo	169	80.9%	37	17.7%	0	0.0%	0	0.0%	3	1.4%	0	209
Monongalia	948	64.4%	482	32.8%	23	1.6%	4	0.3%	14	1.0%	1	1,472
Monroe	69	69.7%	28	28.3%	1	1.0%	0	0.0%	1	1.0%	0	99
Morgan	81	51.9%	73	46.8%	1	0.6%	0	0.0%	1	0.6%	0	156
Nicholas	159	67.7%	67	28.5%	4	1.7%	2	0.9%	3	1.3%	0	235
Ohio	559	56.2%	374	37.6%	17	1.7%	4	0.4%	40	4.0%	0	994
Pendleton	40	61.5%	23	35.4%	1	1.5%	1	1.5%	0	0.0%	0	65
Pleasants	44	75.9%	9	15.5%	5	8.6%	0	0.0%	0	0.0%	0	58
Pocahontas	53	70.7%	19	25.3%	1	1.3%	1	1.3%	1	1.3%	1	76
Preston	171	68.4%	71	28.4%	7	2.8%	0	0.0%	1	0.4%	0	250
Putnam	257	67.3%	93	24.3%	6	1.6%	0	0.0%	26	6.8%	0	382
Raleigh	821	67.2%	297	24.3%	18	1.5%	4	0.3%	81	6.6%	3	1,224
Randolph	265	66.9%	123	31.1%	5	1.3%	0	0.0%	3	0.8%	0	396
Ritchie	36	65.5%	19	34.5%	0	0.0%	0	0.0%	0	0.0%	0	55
Roane	83	68.0%	35	28.7%	4	3.3%	0	0.0%	0	0.0%	0	122
Summers	120	78.4%	30	19.6%	1	0.7%	0	0.0%	2	1.3%	0	153
Taylor	100	73.0%	33	24.1%	3	2.2%	0	0.0%	1	0.7%	0	137
Tucker	58	72.5%	21	26.3%	0	0.0%	0	0.0%	1	1.3%	0	80
Tyler	52	64.2%	27	33.3%	2	2.5%	0	0.0%	0	0.0%	0	81
Upshur	131	65.8%	64	32.2%	4	2.0%	0	0.0%	0	0.0%	0	199
Wayne	192	78.7%	46	18.9%	3	1.2%	1	0.4%	2	0.8%	0	244
Webster	62	75.6%	19	23.2%	0	0.0%	0	0.0%	1	1.2%	0	82
Wetzel	116	73.4%	41	25.9%	1	0.6%	0	0.0%	0	0.0%	0	158
Wirt	15	75.0%	5	25.0%	0	0.0%	0	0.0%	0	0.0%	0	20
Wood	668	65.0%	315	30.7%	16	1.6%	2	0.2%	26	2.5%	1	1,028
Wyoming	98	73.7%	29	21.8%	0	0.0%	0	0.0%	6	4.5%	0	133
Total	14,175	66.2%	6,246	29.2%	347	1.6%	49	0.2%	581	2.7%	23	21,421

\*Percentage calculated excluding unknown disposition.  
West Virginia Bureau for Public Health  
Health Statistics Center 2016

Number of Deaths by County of Residence  
West Virginia, 2009-2013  
Table 55

County	2009	2010	2011	2012	2013	County	2009	2010	2011	2012	2013
Barbour	188	175	178	208	197	Monongalia	614	617	649	652	663
Berkeley	832	798	881	888	918	Monroe	153	174	174	165	182
Boone	285	333	333	280	311	Morgan	195	214	194	189	226
Braxton	163	153	166	194	174	Nicholas	329	324	341	355	327
Brooke	302	361	355	315	284	Ohio	608	560	581	611	560
Cabell	1,090	1,147	1,167	1,057	1,234	Pendleton	68	94	104	103	95
Calhoun	88	90	95	103	93	Pleasants	82	91	104	96	72
Clay	100	100	102	111	113	Pocahontas	110	115	91	106	116
Doddridge	80	75	81	83	78	Preston	316	320	336	356	365
Fayette	670	647	608	638	648	Putnam	505	505	510	583	548
Gilmer	82	59	73	83	82	Raleigh	992	1,013	986	1,071	964
Grant	108	118	141	126	131	Randolph	354	310	362	355	389
Greenbrier	483	455	530	467	443	Ritchie	139	119	122	123	100
Hampshire	221	249	254	250	271	Roane	177	168	176	191	199
Hancock	430	383	387	415	382	Summers	157	207	207	171	207
Hardy	150	144	144	129	128	Taylor	180	199	203	179	196
Harrison	875	827	928	830	859	Tucker	107	92	92	88	99
Jackson	330	326	315	343	328	Tyler	103	127	152	116	110
Jefferson	423	439	416	447	395	Upshur	257	258	253	262	247
Kanawha	2,454	2,467	2,388	2,398	2,489	Wayne	484	482	458	464	482
Lewis	223	198	202	235	210	Webster	117	98	131	128	131
Lincoln	264	277	286	243	258	Wetzel	229	215	227	223	221
Logan	508	484	550	513	541	Wirt	55	61	62	50	57
McDowell	360	364	381	396	369	Wood	1,020	989	1,039	976	1,045
Marion	689	643	642	653	628	Wyoming	344	320	345	352	310
Marshall	389	388	407	432	414						
Mason	313	359	325	303	337						
Mercer	893	865	946	907	914	Total	21,385	21,278	21,870	21,653	21,846
Mineral	326	322	319	293	338						
Mingo	371	360	371	348	368						

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Age at Death by County of Residence  
West Virginia, 2013  
Table 56

County	Total	Age in Years													Average Age at Death
		<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
Barbour	197	1	1	0	0	0	1	6	5	16	25	40	51	51	72.1
Berkeley	918	9	1	4	1	3	6	24	38	88	151	187	213	193	68.8
Boone	311	0	1	0	0	2	0	7	13	27	45	70	76	70	71.0
Braxton	174	1	0	1	2	0	1	2	1	7	18	44	51	46	74.1
Brooke	284	2	1	0	1	1	0	7	14	23	39	40	66	90	72.1
Cabell	1,234	11	3	0	2	0	8	29	38	89	179	204	299	372	72.4
Calhoun	93	2	0	3	0	1	0	1	2	6	14	12	28	24	70.0
Clay	113	2	0	0	0	1	0	1	0	11	15	25	30	28	72.0
Doddridge	78	0	0	0	0	0	0	2	2	9	8	30	14	13	69.4
Fayette	648	4	0	1	0	3	4	8	24	51	109	134	130	180	71.6
Gilmer	82	1	0	0	0	0	0	0	1	7	16	17	22	18	72.3
Grant	131	3	0	0	0	0	1	2	1	6	16	27	34	41	74.3
Greenbrier	443	4	1	0	1	2	2	10	9	25	54	106	115	114	72.5
Hampshire	271	3	1	0	1	2	1	1	7	24	49	64	63	55	69.7
Hancock	382	2	0	0	0	1	3	5	12	23	48	72	109	107	73.5
Hardy	128	1	0	1	0	0	1	6	4	4	15	26	29	41	72.3
Harrison	859	5	1	3	2	4	9	23	17	58	98	153	209	277	72.9
Jackson	328	0	1	0	1	0	3	3	15	14	38	70	92	91	73.6
Jefferson	395	3	0	0	1	3	5	10	6	31	58	90	85	103	71.2
Kanawha	2,489	13	1	2	1	11	9	59	58	183	356	469	619	708	72.7
Lewis	210	3	0	0	0	0	0	3	2	24	26	41	54	57	72.7
Lincoln	258	0	0	0	0	2	1	7	7	15	42	63	78	43	70.5
Logan	541	3	4	1	0	0	6	9	27	39	107	107	132	106	68.8
McDowell	369	4	0	0	2	0	1	13	23	32	66	83	74	71	67.8
Marion	628	6	1	1	0	1	3	5	14	40	76	122	148	211	74.7
Marshall	414	1	0	0	0	1	1	8	11	23	54	85	100	130	74.4
Mason	337	1	1	0	0	2	3	2	12	28	47	76	95	70	71.3
Mercer	914	5	0	0	1	2	1	9	26	87	144	166	231	242	72.5
Mineral	338	3	0	0	0	1	1	6	9	14	40	66	90	108	74.6
Mingo	368	6	1	0	0	0	2	7	20	35	65	76	84	72	68.1
Monongalia	663	9	1	0	1	3	3	11	20	53	76	111	152	223	73.0
Monroe	182	0	1	0	0	1	4	2	7	7	22	37	48	53	73.4
Morgan	226	0	0	1	0	0	0	3	4	16	30	46	58	68	74.2
Nicholas	327	3	1	0	0	1	2	9	15	29	42	64	85	76	70.2
Ohio	560	3	0	0	0	4	3	7	13	35	54	93	138	210	75.5
Pendleton	95	0	0	0	0	0	0	3	1	6	11	20	25	29	74.7
Pleasants	72	2	0	0	0	0	0	0	0	6	6	21	13	24	73.6
Pocahontas	116	2	0	0	1	0	0	1	8	2	15	17	37	33	73.2
Preston	365	2	0	0	0	0	3	3	12	22	42	74	96	111	74.2
Putnam	548	7	0	1	0	0	2	13	14	43	69	100	143	156	72.4
Raleigh	964	7	1	0	1	0	4	27	46	70	148	204	239	217	70.5
Randolph	389	2	4	2	2	2	3	13	12	21	48	77	93	110	71.0
Ritchie	100	2	0	0	1	0	0	1	3	9	10	28	22	24	70.6
Roane	199	1	0	0	0	1	2	4	3	12	34	49	47	46	71.7
Summers	207	1	1	0	0	1	0	3	5	12	27	48	50	59	73.3
Taylor	196	2	0	0	0	0	3	1	6	11	26	47	57	43	72.1
Tucker	99	0	0	0	0	0	0	2	2	3	15	21	29	27	75.4
Tyler	110	0	0	0	0	0	0	0	1	9	19	26	28	27	73.8
Upshur	247	1	0	0	1	3	2	4	8	21	29	51	58	69	72.0
Wayne	482	0	0	1	0	1	2	11	21	30	78	104	126	108	71.7
Webster	131	0	0	0	0	0	2	1	3	10	20	31	32	32	72.3
Wetzel	221	3	0	0	0	0	1	2	5	12	27	57	57	57	73.4
Wirt	57	1	0	0	0	0	0	0	1	3	5	19	18	10	72.5
Wood	1,045	9	1	0	3	1	6	19	27	75	134	200	255	315	73.0
Wyoming	310	1	1	0	1	0	2	10	12	41	48	53	86	55	68.5
Total	21,846	157	30	22	27	61	117	425	667	1,597	3,053	4,363	5,413	5,914	72.1

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Place Death Occurred by County of Residence  
West Virginia, 2013  
Table 57

County	Place Death Occurred											Total
	WV Hospital	Out-of-State Hospital	En Route to	Clinic or Center	Licensed Nursing Home	Unlicensed Personal Care	Home	Hospice Care	Named Place or Street	Doctor's Office	Unknown	
Barbour	79	0	7	0	29	7	60	6	9	0	0	197
Berkeley	277	93	8	0	157	12	312	3	55	0	1	918
Boone	144	4	0	0	23	2	84	35	19	0	0	311
Braxton	61	2	1	0	22	1	71	5	11	0	0	174
Brooke	50	56	7	0	46	9	74	30	12	0	0	284
Cabell	427	12	7	0	200	28	264	260	36	0	0	1,234
Calhoun	19	5	0	10	17	0	36	2	4	0	0	93
Clay	38	6	1	0	15	2	31	14	6	0	0	113
Doddridge	29	2	2	0	8	0	33	0	4	0	0	78
Fayette	257	8	7	0	94	2	148	97	35	0	0	648
Gilmer	26	0	0	3	14	0	35	1	3	0	0	82
Grant	37	15	0	0	33	0	41	0	5	0	0	131
Greenbrier	133	46	2	0	94	3	133	10	22	0	0	443
Hampshire	27	85	2	0	45	3	86	2	21	0	0	271
Hancock	67	92	14	0	65	17	91	21	15	0	0	382
Hardy	15	28	0	0	19	1	56	0	9	0	0	128
Harrison	314	16	15	1	160	18	278	1	56	0	0	859
Jackson	124	8	2	1	59	1	83	30	20	0	0	328
Jefferson	94	60	3	0	81	2	132	0	23	0	0	395
Kanawha	723	38	7	0	282	45	685	602	107	0	0	2,489
Lewis	98	2	2	0	38	3	57	3	7	0	0	210
Lincoln	120	3	1	0	17	2	66	40	9	0	0	258
Logan	253	14	8	0	56	3	127	27	53	0	0	541
McDowell	132	44	4	0	39	7	105	7	31	0	0	369
Marion	246	12	3	0	104	38	191	5	29	0	0	628
Marshall	169	16	1	0	70	0	101	36	21	0	0	414
Mason	109	37	5	0	52	1	95	20	18	0	0	337
Mercer	348	61	8	0	110	38	285	14	50	0	0	914
Mineral	58	80	18	0	72	0	92	0	18	0	0	338
Mingo	128	74	8	0	22	2	86	9	39	0	0	368
Monongalia	215	14	5	0	123	16	258	7	25	0	0	663
Monroe	39	31	1	0	35	12	49	0	15	0	0	182
Morgan	29	54	2	0	40	0	88	1	12	0	0	226
Nicholas	132	7	4	0	46	0	104	22	12	0	0	327
Ohio	180	28	6	1	139	0	111	84	11	0	0	560
Pendleton	12	19	1	0	24	0	29	1	9	0	0	95
Pleasants	18	9	0	0	17	1	26	0	1	0	0	72
Pocahontas	36	8	0	0	20	1	35	5	11	0	0	116
Preston	102	17	1	0	89	3	131	5	16	0	1	365
Putnam	169	10	2	0	75	29	149	96	18	0	0	548
Raleigh	392	20	25	0	66	12	205	196	48	0	0	964
Randolph	121	10	16	0	69	18	80	49	26	0	0	389
Ritchie	28	3	0	2	26	0	35	0	6	0	0	100
Roane	81	4	1	0	29	1	58	14	11	0	0	199
Summers	72	6	1	0	33	11	56	8	20	0	0	207
Taylor	83	0	3	0	25	14	55	3	13	0	0	196
Tucker	14	7	3	0	27	2	32	8	5	0	1	99
Tyler	44	7	1	0	22	2	22	4	8	0	0	110
Upshur	90	5	0	0	42	9	85	5	11	0	0	247
Wayne	162	15	4	0	42	5	135	99	20	0	0	482
Webster	54	2	0	0	25	0	38	3	9	0	0	131
Wetzel	77	10	1	0	41	1	66	11	14	0	0	221
Wirt	18	7	0	3	8	0	19	0	2	0	0	57
Wood	378	66	16	1	239	10	301	1	32	1	0	1,045
Wyoming	107	10	8	0	31	2	53	30	68	1	0	310
Total	7,255	1,288	244	22	3,376	396	6,158	1,932	1,170	2	3	21,846

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Note: En Route to Hospital includes any patient status listed as Dead On Arrival

Firearm Injury Deaths by Type of Injury and County  
West Virginia Residents, 2013  
Table 58

County	Un- intentional	Intentional			Un- determined	Total
		Suicide	Assault	Legal Inter- vention		
Barbour	0	2	0	0	0	2
Berkeley	0	9	1	0	0	10
Boone	0	4	0	0	0	4
Braxton	0	3	0	0	0	3
Brooke	0	6	2	0	0	8
Cabell	0	6	4	0	2	12
Calhoun	0	2	0	0	0	2
Clay	0	0	1	1	0	2
Doddridge	0	1	0	0	0	1
Fayette	0	6	2	0	0	8
Gilmer	0	0	0	0	0	0
Grant	0	5	0	0	0	5
Greenbrier	0	5	0	0	0	5
Hampshire	0	1	0	0	0	1
Hancock	0	1	1	0	0	2
Hardy	0	1	0	0	0	1
Harrison	0	6	4	0	0	10
Jackson	0	3	0	0	0	3
Jefferson	0	5	0	0	0	5
Kanawha	2	30	6	1	0	39
Lewis	0	1	0	0	0	1
Lincoln	0	2	0	0	0	2
Logan	0	5	1	1	0	7
McDowell	0	8	2	0	0	10
Marion	0	5	0	0	0	5
Marshall	0	5	0	0	0	5
Mason	0	1	1	0	0	2
Mercer	0	13	2	1	0	16
Mineral	0	2	0	0	0	2
Mingo	0	2	1	0	0	3
Monongalia	0	7	1	0	0	8
Monroe	0	1	1	0	0	2
Morgan	0	2	0	0	0	2
Nicholas	0	4	0	1	0	5
Ohio	0	2	0	0	0	2
Pendleton	0	0	1	0	0	1
Pleasants	0	1	0	0	0	1
Pocahontas	0	1	0	0	0	1
Preston	0	3	1	0	0	4
Putnam	0	4	0	0	0	4
Raleigh	0	13	6	2	0	21
Randolph	0	6	0	0	0	6
Ritchie	0	0	1	0	0	1
Roane	0	2	0	0	0	2
Summers	0	2	1	0	0	3
Taylor	0	1	0	0	0	1
Tucker	0	2	0	0	0	2
Tyler	0	0	0	0	0	0
Upshur	0	6	0	0	0	6
Wayne	0	8	2	0	0	10
Webster	0	0	0	0	0	0
Wetzel	0	3	0	0	0	3
Wirt	0	1	0	0	0	1
Wood	0	12	0	0	0	12
Wyoming	0	4	1	0	1	6
Total	2	225	43	7	3	280

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Number and Rate of Resident Infant Deaths by County  
West Virginia, 2009-2013  
Table 59

County	2009		2010		2011		2012		2013	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
Barbour	1	5.8	0	0.0	2	10.9	0	0.0	1	6.0
Berkeley	18	13.3	6	4.7	9	6.6	11	7.8	9	6.5
Boone	0	0.0	5	16.3	2	6.5	0	0.0	0	0.0
Braxton	0	0.0	0	0.0	2	13.0	0	0.0	1	6.5
Brooke	0	0.0	1	5.0	0	0.0	2	10.8	2	11.1
Cabell	5	4.0	9	7.9	6	4.9	15	12.1	11	9.5
Calhoun	1	10.9	0	0.0	1	11.1	2	29.0	2	24.4
Clay	1	7.6	0	0.0	2	17.4	1	8.5	2	19.4
Doddridge	1	13.0	0	0.0	0	0.0	0	0.0	0	0.0
Fayette	8	13.2	5	8.8	1	1.7	1	1.9	4	6.9
Gilmer	1	13.9	0	0.0	1	15.2	1	15.9	1	13.7
Grant	0	0.0	3	23.4	0	0.0	0	0.0	3	24.6
Greenbrier	6	15.1	0	0.0	3	8.8	1	2.4	4	10.9
Hampshire	0	0.0	1	4.4	2	9.0	1	4.5	3	12.9
Hancock	0	0.0	2	6.9	2	6.5	3	10.0	2	7.8
Hardy	1	6.3	1	6.8	2	14.6	2	13.6	1	7.2
Harrison	10	12.1	4	5.0	3	3.7	5	6.3	5	6.1
Jackson	2	6.2	2	6.0	4	12.9	3	9.2	0	0.0
Jefferson	6	9.6	3	5.0	2	3.2	1	1.7	3	4.8
Kanawha	26	11.4	11	5.0	15	7.0	19	8.6	13	5.8
Lewis	2	10.4	1	5.3	1	4.9	6	31.3	3	14.2
Lincoln	1	3.9	1	3.9	2	7.3	1	3.7	0	0.0
Logan	4	9.4	1	2.3	4	8.8	3	6.9	3	6.9
McDowell	4	13.7	7	25.2	2	7.9	3	10.5	4	14.7
Marion	2	3.1	4	5.9	5	7.4	3	4.8	6	8.6
Marshall	1	3.0	3	9.3	5	17.5	0	0.0	1	3.1
Mason	2	7.2	5	16.2	2	7.3	1	3.5	1	3.6
Mercer	7	8.6	11	13.9	4	5.2	6	7.6	5	6.8
Mineral	1	3.1	4	13.3	5	17.2	0	0.0	3	9.9
Mingo	3	8.2	4	10.3	2	5.8	1	2.8	6	19.0
Monongalia	5	5.4	6	6.2	3	2.9	10	9.8	9	8.3
Monroe	0	0.0	0	0.0	2	14.2	0	0.0	0	0.0
Morgan	3	18.5	0	0.0	2	12.7	0	0.0	0	0.0
Nicholas	3	9.0	2	6.9	3	10.0	5	16.1	3	10.5
Ohio	4	7.9	5	10.6	5	11.0	4	7.8	3	6.5
Pendleton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pleasants	0	0.0	0	0.0	0	0.0	1	13.3	2	23.8
Pocahontas	3	29.7	1	12.7	0	0.0	1	12.0	2	20.6
Preston	5	14.2	4	12.0	4	10.6	6	18.0	2	5.5
Putnam	0	0.0	5	8.6	4	6.6	4	6.9	7	11.1
Raleigh	3	3.1	7	7.2	4	4.1	3	3.0	7	7.6
Randolph	4	13.7	2	7.1	2	6.6	3	9.0	2	6.5
Ritchie	0	0.0	1	12.0	0	0.0	1	11.0	2	20.8
Roane	0	0.0	2	12.7	1	6.5	1	5.8	1	6.7
Summers	2	16.3	1	9.3	1	7.6	0	0.0	1	10.3
Taylor	2	10.1	1	5.6	0	0.0	2	10.6	2	11.6
Tucker	0	0.0	2	29.4	0	0.0	0	0.0	0	0.0
Tyler	0	0.0	1	12.5	0	0.0	2	20.6	0	0.0
Upshur	2	7.5	1	3.7	2	7.3	3	10.3	1	3.6
Wayne	3	7.3	2	5.5	4	10.4	4	9.3	0	0.0
Webster	1	7.5	0	0.0	0	0.0	0	0.0	0	0.0
Wetzel	1	5.7	0	0.0	1	5.9	1	6.1	3	17.2
Wirt	0	0.0	1	14.9	1	19.2	0	0.0	1	16.1
Wood	10	9.6	8	8.3	9	9.1	6	6.7	9	8.7
Wyoming	2	7.5	4	15.2	2	8.0	3	12.8	1	4.6
Total	167	7.8	150	7.3	141	6.8	152	7.3	157	7.5

\*Infant death rate = (infant deaths/live births) X 1,000 in each respective county.

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Number and Ratio of Resident Fetal Deaths by County  
West Virginia, 2009-2013  
Table 60

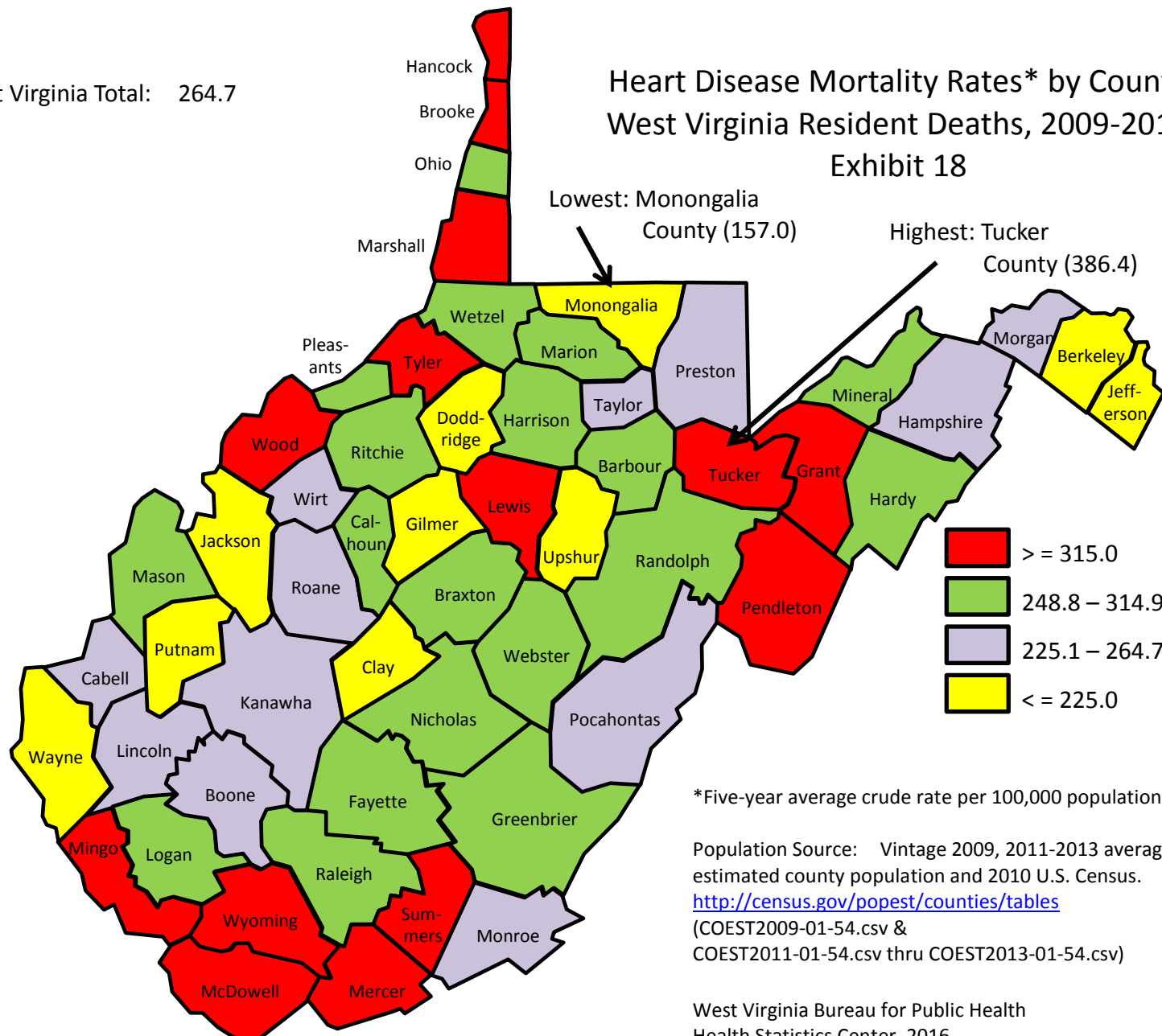
County	2009		2010		2011		2012		2013	
	Number	Ratio*	Number	Ratio*	Number	Ratio*	Number	Ratio*	Number	Ratio*
Barbour	2	11.7	0	0.0	1	5.5	0	0.0	1	6.0
Berkeley	10	7.4	3	2.3	4	3.0	6	4.3	4	2.9
Boone	5	15.3	3	9.8	0	0.0	0	0.0	2	7.2
Braxton	1	6.3	2	12.3	1	6.5	0	0.0	0	0.0
Brooke	2	9.6	0	0.0	1	5.5	0	0.0	0	0.0
Cabell	9	7.1	6	5.2	2	1.6	2	1.6	6	5.2
Calhoun	1	10.9	0	0.0	0	0.0	0	0.0	0	0.0
Clay	0	0.0	2	15.2	0	0.0	0	0.0	0	0.0
Doddridge	1	13.0	0	0.0	0	0.0	0	0.0	0	0.0
Fayette	6	9.9	1	1.8	3	5.1	4	7.5	8	13.8
Gilmer	0	0.0	2	25.6	0	0.0	0	0.0	0	0.0
Grant	0	0.0	1	7.8	0	0.0	0	0.0	1	8.2
Greenbrier	1	2.5	2	5.7	2	5.9	0	0.0	3	8.2
Hampshire	1	4.2	1	4.4	0	0.0	0	0.0	0	0.0
Hancock	3	10.2	0	0.0	1	3.2	0	0.0	0	0.0
Hardy	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Harrison	4	4.8	0	0.0	1	1.2	3	3.8	6	7.3
Jackson	2	6.2	0	0.0	1	3.2	1	3.1	1	3.0
Jefferson	1	1.6	1	1.7	1	1.6	4	6.9	2	3.2
Kanawha	20	8.8	7	3.2	5	2.3	11	5.0	11	4.9
Lewis	1	5.2	2	10.6	1	4.9	1	5.2	0	0.0
Lincoln	3	11.7	0	0.0	4	14.6	2	7.5	0	0.0
Logan	2	4.7	1	2.3	4	8.8	4	9.2	1	2.3
McDowell	2	6.8	1	3.6	3	11.8	2	7.0	3	11.0
Marion	1	1.5	4	5.9	0	0.0	6	9.5	5	7.2
Marshall	2	6.1	1	3.1	0	0.0	1	2.8	0	0.0
Mason	1	3.6	0	0.0	0	0.0	2	7.0	1	3.6
Mercer	5	6.1	6	7.6	3	3.9	2	2.5	4	5.4
Mineral	0	0.0	1	3.3	0	0.0	1	3.3	1	3.3
Mingo	1	2.7	1	2.6	0	0.0	1	2.8	1	3.2
Monongalia	4	4.3	2	2.1	5	4.8	4	3.9	4	3.7
Monroe	0	0.0	0	0.0	1	7.1	0	0.0	1	8.3
Morgan	0	0.0	1	7.6	0	0.0	0	0.0	0	0.0
Nicholas	7	21.1	3	10.3	2	6.6	0	0.0	1	3.5
Ohio	3	5.9	3	6.4	3	6.6	1	2.0	1	2.2
Pendleton	0	0.0	1	14.3	0	0.0	0	0.0	0	0.0
Pleasants	3	46.9	2	35.7	2	39.2	1	13.3	1	11.9
Pocahontas	0	0.0	0	0.0	3	34.1	0	0.0	1	10.3
Preston	0	0.0	0	0.0	4	10.6	2	6.0	1	2.8
Putnam	1	1.7	3	5.1	3	4.9	1	1.7	1	1.6
Raleigh	5	5.2	4	4.1	8	8.2	8	8.0	4	4.4
Randolph	1	3.4	3	10.6	3	9.9	0	0.0	3	9.7
Ritchie	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Roane	0	0.0	1	6.4	0	0.0	0	0.0	2	13.4
Summers	1	8.1	0	0.0	0	0.0	0	0.0	1	10.3
Taylor	0	0.0	1	5.6	1	5.6	4	21.2	0	0.0
Tucker	1	14.5	0	0.0	0	0.0	0	0.0	0	0.0
Tyler	1	10.0	1	12.5	0	0.0	0	0.0	2	21.3
Upshur	2	7.5	0	0.0	3	10.9	2	6.9	1	3.6
Wayne	1	2.4	4	10.9	0	0.0	0	0.0	1	2.0
Webster	1	7.5	0	0.0	0	0.0	0	0.0	1	10.2
Wetzel	0	0.0	1	5.9	0	0.0	2	12.1	1	5.7
Wirt	0	0.0	0	0.0	0	0.0	0	0.0	1	16.1
Wood	1	1.0	2	2.1	13	13.1	4	4.5	4	3.8
Wyoming	2	7.5	3	11.4	1	4.0	6	25.5	1	4.6
Total	121	5.7	83	4.1	90	4.3	88	4.2	94	4.5

\*Fetal death ratio = (fetal deaths/live births) X 1,000 in each respective county.

West Virginia Bureau for Public Health  
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West Virginia Total: 264.7

# Heart Disease Mortality Rates\* by County West Virginia Resident Deaths, 2009-2013 Exhibit 18



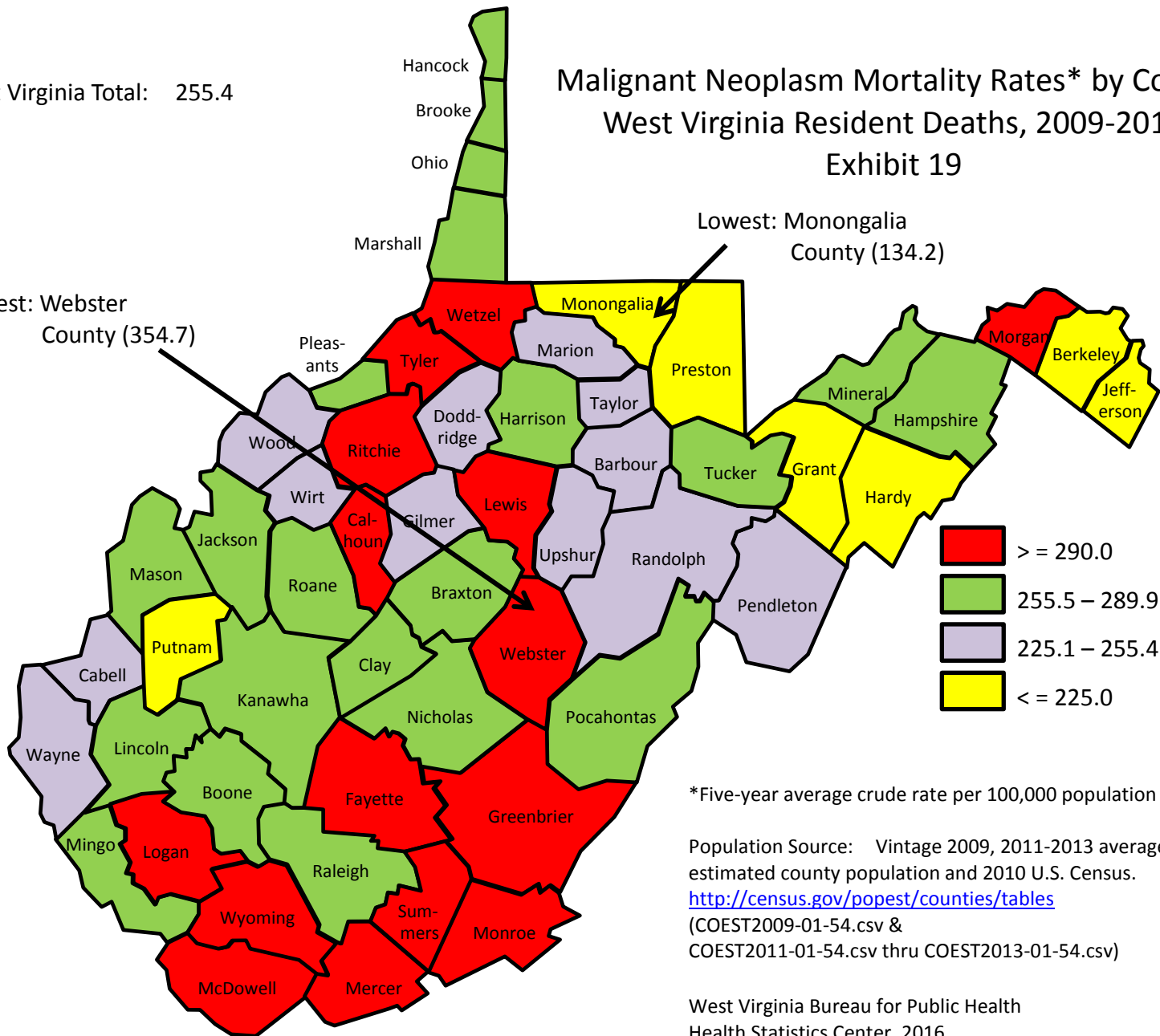
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

West Virginia Total: 255.4

# Malignant Neoplasm Mortality Rates\* by County West Virginia Resident Deaths, 2009-2013 Exhibit 19

Highest: Webster  
County (354.7)

Lowest: Monongalia  
County (134.2)



Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2013  
Table 61

Selected Causes of Death	Number and Rate by County							
	Barbour		Berkeley		Boone		Braxton	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	6.0	4	2.9	2	7.2	0	0.0
Total Deaths, All Causes	197	11.7	918	8.4	311	12.8	174	12.0
--Deaths Under One Year	1	6.0	9	6.5	0	0.0	1	6.5
--Deaths Under 28 Days	0	0.0	7	5.1	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	2	11.9	13	12.0	10	41.3	4	27.6
Human Immunodeficiency Virus Infection	0	0.0	1	0.9	0	0.0	0	0.0
Malignant Neoplasms	38	226.6	215	197.8	67	276.6	33	227.6
--of Digestive Organs	9	53.7	68	62.6	16	66.1	5	34.5
----Colon	3	17.9	27	24.8	5	20.6	3	20.7
----Pancreas	1	6.0	11	10.1	4	16.5	1	6.9
--of Respiratory and Intrathoracic Organs	7	41.7	61	56.1	26	107.3	16	110.3
----Trachea, Bronchus and Lung	6	35.8	61	56.1	23	94.9	15	103.4
--of Breast	3	17.9	17	15.6	3	12.4	1	6.9
--of Genitourinary Organs	6	35.8	24	22.1	12	49.5	3	20.7
----Cervix Uteri	0	0.0	3	2.8	0	0.0	0	0.0
----Ovary	1	6.0	8	7.4	0	0.0	0	0.0
----Prostate	2	11.9	5	4.6	3	12.4	0	0.0
----Bladder	1	6.0	4	3.7	2	8.3	1	6.9
--All Other (Malignant Neoplasms)	13	77.5	45	41.4	10	41.3	8	55.2
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	8	7.4	1	4.1	1	6.9
Diabetes Mellitus	7	41.7	42	38.6	14	57.8	10	69.0
Dementia	8	47.7	38	35.0	10	41.3	13	89.6
Alzheimer's Disease	6	35.8	23	21.2	5	20.6	5	34.5
Major Cardiovascular Disease	59	351.8	236	217.1	77	317.9	55	379.3
--Diseases of the Heart	44	262.4	189	173.9	63	260.1	42	289.6
----Ischemic Heart Disease	29	172.9	123	113.1	38	156.9	30	206.9
--Essential Hypertension and Hypertensive Renal Disease	1	6.0	11	10.1	0	0.0	5	34.5
--Cerebrovascular Diseases (Stroke)	12	71.6	29	26.7	12	49.5	6	41.4
--Arteriosclerosis	1	6.0	2	1.8	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	1	6.0	5	4.6	2	8.3	2	13.8
Influenza and Pneumonia	6	35.8	17	15.6	3	12.4	2	13.8
--Influenza	1	6.0	1	0.9	0	0.0	0	0.0
--Pneumonia	5	29.8	16	14.7	3	12.4	2	13.8
Chronic Lower Respiratory Diseases	21	125.2	61	56.1	24	99.1	8	55.2
--Bronchitis, Emphysema and Asthma	0	0.0	4	3.7	1	4.1	2	13.8
Lung Diseases due to External Agents	3	17.9	3	2.8	3	12.4	1	6.9
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	2	8.3	0	0.0
Chronic Liver Disease and Cirrhosis	1	6.0	12	11.0	2	8.3	3	20.7
Nephritis, Nephrotic Syndrome and Nephrosis	4	23.9	13	12.0	9	37.2	1	6.9
Congenital Malformations	0	0.0	8	7.4	0	0.0	1	6.9
Ill-Defined and Unknown Causes of Death	3	17.9	11	10.1	3	12.4	1	6.9
Accidents, All Forms	10	59.6	92	84.6	28	115.6	7	48.3
--Motor Vehicle	7	41.7	16	14.7	3	12.4	2	13.8
--Falls	2	11.9	19	17.5	5	20.6	2	13.8
--Drownings	0	0.0	1	0.9	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	2	1.8	2	8.3	1	6.9
--Poisonings	0	0.0	43	39.6	16	66.1	2	13.8
--Other Accidents	1	6.0	11	10.1	2	8.3	0	0.0
Intentional Self-Harm (Suicide)	4	23.9	17	15.6	7	28.9	3	20.7
Assault (Homicide)	1	6.0	2	1.8	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	2	11.9	1	0.9	1	4.1	1	6.9
All Other Causes (Residual)	22	131.2	105	96.6	47	194.0	25	172.4

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2013  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Brooke		Cabell		Calhoun		Clay	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	6	5.2	0	0.0	0	0.0
Total Deaths, All Causes	284	12.0	1,234	12.7	93	12.3	113	12.2
--Deaths Under One Year	2	11.1	11	9.5	2	24.4	2	19.4
--Deaths Under 28 Days	1	5.6	8	6.9	1	12.2	1	9.7
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	5	21.1	13	13.4	1	13.2	1	10.8
Human Immunodeficiency Virus Infection	0	0.0	3	3.1	0	0.0	0	0.0
Malignant Neoplasms	63	265.4	252	259.4	24	317.3	24	259.6
--of Digestive Organs	12	50.6	57	58.7	6	79.3	5	54.1
----Colon	4	16.9	19	19.6	1	13.2	4	43.3
----Pancreas	2	8.4	14	14.4	2	26.4	0	0.0
--of Respiratory and Intrathoracic Organs	16	67.4	83	85.4	4	52.9	6	64.9
----Trachea, Bronchus and Lung	16	67.4	78	80.3	4	52.9	6	64.9
--of Breast	2	8.4	21	21.6	4	52.9	1	10.8
--of Genitourinary Organs	11	46.3	33	34.0	3	39.7	3	32.5
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	1	4.2	5	5.1	1	13.2	0	0.0
----Prostate	3	12.6	9	9.3	1	13.2	2	21.6
----Bladder	2	8.4	3	3.1	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	22	92.7	58	59.7	7	92.5	9	97.4
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	4.2	7	7.2	2	26.4	1	10.8
Diabetes Mellitus	12	50.6	49	50.4	1	13.2	7	75.7
Dementia	8	33.7	86	88.5	5	66.1	3	32.5
Alzheimer's Disease	3	12.6	54	55.6	1	13.2	4	43.3
Major Cardiovascular Disease	84	353.9	323	332.5	26	343.7	25	270.4
--Diseases of the Heart	71	299.1	221	227.5	17	224.7	16	173.1
----Ischemic Heart Disease	40	168.5	135	139.0	12	158.6	9	97.4
--Essential Hypertension and Hypertensive Renal Disease	1	4.2	20	20.6	4	52.9	2	21.6
--Cerebrovascular Diseases (Stroke)	10	42.1	68	70.0	5	66.1	7	75.7
--Arteriosclerosis	0	0.0	3	3.1	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	2	8.4	11	11.3	0	0.0	0	0.0
Influenza and Pneumonia	16	67.4	22	22.6	2	26.4	4	43.3
--Influenza	0	0.0	0	0.0	1	13.2	0	0.0
--Pneumonia	16	67.4	22	22.6	1	13.2	4	43.3
Chronic Lower Respiratory Diseases	12	50.6	96	98.8	3	39.7	13	140.6
--Bronchitis, Emphysema and Asthma	2	8.4	9	9.3	0	0.0	2	21.6
Lung Diseases due to External Agents	1	4.2	6	6.2	0	0.0	1	10.8
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	4.2	14	14.4	1	13.2	2	21.6
Nephritis, Nephrotic Syndrome and Nephrosis	5	21.1	27	27.8	3	39.7	3	32.5
Congenital Malformations	0	0.0	4	4.1	0	0.0	2	21.6
Ill-Defined and Unknown Causes of Death	3	12.6	19	19.6	2	26.4	1	10.8
Accidents, All Forms	17	71.6	94	96.8	4	52.9	4	43.3
--Motor Vehicle	3	12.6	11	11.3	1	13.2	2	21.6
--Falls	3	12.6	16	16.5	0	0.0	1	10.8
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	2	2.1	1	13.2	0	0.0
--Poisonings	8	33.7	50	51.5	2	26.4	0	0.0
--Other Accidents	3	12.6	15	15.4	0	0.0	1	10.8
Intentional Self-Harm (Suicide)	8	33.7	7	7.2	3	39.7	1	10.8
Assault (Homicide)	2	8.4	5	5.1	0	0.0	1	10.8
Injury Undetermined Whether Accidental or Purposely Inflicted	1	4.2	2	2.1	4	52.9	1	10.8
All Other Causes (Residual)	42	176.9	151	155.5	11	145.4	15	162.3

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2013  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Doddridge		Fayette		Gilmer		Grant	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	8	13.8	0	0.0	1	8.2
Total Deaths, All Causes	78	9.3	648	14.2	82	9.5	131	11.1
--Deaths Under One Year	0	0.0	4	6.9	1	13.7	3	24.6
--Deaths Under 28 Days	0	0.0	1	1.7	1	13.7	2	16.4
Tuberculosis	1	12.0	0	0.0	0	0.0	0	0.0
Septicemia	2	24.0	8	17.5	0	0.0	2	17.0
Human Immunodeficiency Virus Infection	0	0.0	2	4.4	0	0.0	0	0.0
Malignant Neoplasms	20	239.7	148	324.6	24	276.8	22	187.1
--of Digestive Organs	8	95.9	28	61.4	5	57.7	5	42.5
----Colon	2	24.0	11	24.1	2	23.1	3	25.5
----Pancreas	3	36.0	4	8.8	1	11.5	0	0.0
--of Respiratory and Intrathoracic Organs	6	71.9	59	129.4	6	69.2	10	85.0
----Trachea, Bronchus and Lung	6	71.9	58	127.2	5	57.7	9	76.5
--of Breast	0	0.0	7	15.4	1	11.5	2	17.0
--of Genitourinary Organs	4	47.9	23	50.4	6	69.2	2	17.0
----Cervix Uteri	0	0.0	0	0.0	0	0.0	1	8.5
----Ovary	0	0.0	4	8.8	1	11.5	0	0.0
----Prostate	0	0.0	8	17.5	1	11.5	0	0.0
----Bladder	2	24.0	6	13.2	1	11.5	0	0.0
--All Other (Malignant Neoplasms)	2	24.0	31	68.0	6	69.2	3	25.5
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	2	4.4	0	0.0	0	0.0
Diabetes Mellitus	3	36.0	26	57.0	3	34.6	4	34.0
Dementia	0	0.0	51	111.8	3	34.6	0	0.0
Alzheimer's Disease	2	24.0	6	13.2	2	23.1	3	25.5
Major Cardiovascular Disease	21	251.7	175	383.8	25	288.3	55	467.7
--Diseases of the Heart	18	215.7	133	291.7	19	219.1	42	357.2
----Ischemic Heart Disease	18	215.7	80	175.4	13	149.9	31	263.6
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	11	24.1	1	11.5	2	17.0
--Cerebrovascular Diseases (Stroke)	1	12.0	29	63.6	5	57.7	7	59.5
--Arteriosclerosis	1	12.0	0	0.0	0	0.0	3	25.5
--Other Diseases of Arteries, Arterioles and Capillaries	1	12.0	2	4.4	0	0.0	1	8.5
Influenza and Pneumonia	1	12.0	14	30.7	1	11.5	2	17.0
--Influenza	0	0.0	0	0.0	0	0.0	1	8.5
--Pneumonia	1	12.0	14	30.7	1	11.5	1	8.5
Chronic Lower Respiratory Diseases	6	71.9	33	72.4	5	57.7	7	59.5
--Bronchitis, Emphysema and Asthma	0	0.0	3	6.6	1	11.5	1	8.5
Lung Diseases due to External Agents	0	0.0	5	11.0	0	0.0	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	3	6.6	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	12.0	11	24.1	0	0.0	1	8.5
Nephritis, Nephrotic Syndrome and Nephrosis	1	12.0	12	26.3	1	11.5	3	25.5
Congenital Malformations	0	0.0	2	4.4	0	0.0	1	8.5
Ill-Defined and Unknown Causes of Death	0	0.0	14	30.7	1	11.5	4	34.0
Accidents, All Forms	5	59.9	47	103.1	0	0.0	3	25.5
--Motor Vehicle	5	59.9	13	28.5	0	0.0	2	17.0
--Falls	0	0.0	4	8.8	0	0.0	0	0.0
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	1	8.5
--Poisonings	0	0.0	22	48.2	0	0.0	0	0.0
--Other Accidents	0	0.0	8	17.5	0	0.0	0	0.0
Intentional Self-Harm (Suicide)	1	12.0	8	17.5	1	11.5	6	51.0
Assault (Homicide)	0	0.0	3	6.6	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	2	4.4	0	0.0	0	0.0
All Other Causes (Residual)	14	167.8	79	173.2	16	184.5	18	153.1

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2013  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Greenbrier		Hampshire		Hancock		Hardy	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	3	8.2	0	0.0	0	0.0	0	0.0
Total Deaths, All Causes	443	12.4	271	11.6	382	12.6	128	9.2
--Deaths Under One Year	4	10.9	3	12.9	2	7.8	1	7.2
--Deaths Under 28 Days	2	5.4	2	8.6	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	5	14.0	3	12.8	5	16.5	2	14.4
Human Immunodeficiency Virus Infection	1	2.8	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	108	303.0	64	273.0	86	283.9	33	237.1
--of Digestive Organs	29	81.4	18	76.8	24	79.2	13	93.4
----Colon	11	30.9	8	34.1	10	33.0	6	43.1
----Pancreas	7	19.6	3	12.8	3	9.9	2	14.4
--of Respiratory and Intrathoracic Organs	24	67.3	19	81.0	27	89.1	6	43.1
----Trachea, Bronchus and Lung	23	64.5	19	81.0	27	89.1	6	43.1
--of Breast	12	33.7	2	8.5	3	9.9	2	14.4
--of Genitourinary Organs	18	50.5	11	46.9	13	42.9	4	28.7
----Cervix Uteri	1	2.8	1	4.3	1	3.3	0	0.0
----Ovary	4	11.2	1	4.3	0	0.0	2	14.4
----Prostate	6	16.8	6	25.6	5	16.5	0	0.0
----Bladder	0	0.0	1	4.3	4	13.2	1	7.2
--All Other (Malignant Neoplasms)	25	70.1	14	59.7	19	62.7	8	57.5
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	5.6	1	4.3	1	3.3	0	0.0
Diabetes Mellitus	10	28.1	4	17.1	7	23.1	4	28.7
Dementia	19	53.3	4	17.1	18	59.4	3	21.6
Alzheimer's Disease	13	36.5	10	42.7	8	26.4	1	7.2
Major Cardiovascular Disease	124	347.9	75	319.9	125	412.7	38	273.0
--Diseases of the Heart	96	269.3	63	268.7	102	336.7	29	208.3
----Ischemic Heart Disease	57	159.9	35	149.3	62	204.7	15	107.8
--Essential Hypertension and Hypertensive Renal Disease	1	2.8	2	8.5	0	0.0	2	14.4
--Cerebrovascular Diseases (Stroke)	21	58.9	9	38.4	19	62.7	4	28.7
--Arteriosclerosis	2	5.6	0	0.0	0	0.0	1	7.2
--Other Diseases of Arteries, Arterioles and Capillaries	4	11.2	1	4.3	4	13.2	2	14.4
Influenza and Pneumonia	10	28.1	6	25.6	23	75.9	3	21.6
--Influenza	0	0.0	1	4.3	0	0.0	0	0.0
--Pneumonia	10	28.1	5	21.3	23	75.9	3	21.6
Chronic Lower Respiratory Diseases	30	84.2	19	81.0	22	72.6	10	71.8
--Bronchitis, Emphysema and Asthma	5	14.0	4	17.1	8	26.4	2	14.4
Lung Diseases due to External Agents	8	22.4	2	8.5	0	0.0	1	7.2
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	8	22.4	10	42.7	1	3.3	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	7	19.6	5	21.3	7	23.1	2	14.4
Congenital Malformations	1	2.8	0	0.0	1	3.3	0	0.0
Ill-Defined and Unknown Causes of Death	4	11.2	2	8.5	15	49.5	1	7.2
Accidents, All Forms	27	75.7	13	55.4	20	66.0	11	79.0
--Motor Vehicle	11	30.9	4	17.1	3	9.9	5	35.9
--Falls	5	14.0	1	4.3	2	6.6	1	7.2
--Drownings	1	2.8	0	0.0	0	0.0	1	7.2
--Smoke, Fires and Flames	2	5.6	0	0.0	0	0.0	2	14.4
--Poisonings	5	14.0	5	21.3	12	39.6	1	7.2
--Other Accidents	3	8.4	3	12.8	3	9.9	1	7.2
Intentional Self-Harm (Suicide)	8	22.4	3	12.8	3	9.9	3	21.6
Assault (Homicide)	1	2.8	2	8.5	2	6.6	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	4	11.2	0	0.0	1	3.3	0	0.0
All Other Causes (Residual)	53	148.7	48	204.7	37	122.1	16	114.9

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2013  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Harrison		Jackson		Jefferson		Kanawha	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	6	7.3	1	3.0	2	3.2	11	4.9
Total Deaths, All Causes	859	12.5	328	11.2	395	7.2	2,489	13.0
--Deaths Under One Year	5	6.1	0	0.0	3	4.8	13	5.8
--Deaths Under 28 Days	2	2.4	0	0.0	1	1.6	7	3.1
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	8	11.6	4	13.7	6	10.9	47	24.6
Human Immunodeficiency Virus Infection	1	1.4	0	0.0	0	0.0	5	2.6
Malignant Neoplasms	176	255.2	74	253.6	87	158.0	529	276.6
--of Digestive Organs	37	53.6	15	51.4	20	36.3	121	63.3
----Colon	14	20.3	4	13.7	8	14.5	40	20.9
----Pancreas	8	11.6	4	13.7	4	7.3	32	16.7
--of Respiratory and Intrathoracic Organs	54	78.3	26	89.1	26	47.2	168	87.8
----Trachea, Bronchus and Lung	52	75.4	25	85.7	25	45.4	158	82.6
--of Breast	5	7.2	4	13.7	6	10.9	20	10.5
--of Genitourinary Organs	32	46.4	5	17.1	9	16.3	96	50.2
----Cervix Uteri	2	2.9	0	0.0	0	0.0	8	4.2
----Ovary	5	7.2	0	0.0	3	5.4	13	6.8
----Prostate	10	14.5	2	6.9	3	5.4	23	12.0
----Bladder	6	8.7	3	10.3	1	1.8	16	8.4
--All Other (Malignant Neoplasms)	48	69.6	24	82.3	26	47.2	124	64.8
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	3	4.3	3	10.3	0	0.0	6	3.1
Diabetes Mellitus	23	33.3	11	37.7	12	21.8	97	50.7
Dementia	29	42.0	17	58.3	19	34.5	196	102.5
Alzheimer's Disease	38	55.1	8	27.4	13	23.6	64	33.5
Major Cardiovascular Disease	247	358.1	104	356.4	125	227.0	647	338.3
--Diseases of the Heart	187	271.1	62	212.5	91	165.2	467	244.2
----Ischemic Heart Disease	117	169.6	36	123.4	42	76.3	298	155.8
--Essential Hypertension and Hypertensive Renal Disease	12	17.4	9	30.8	6	10.9	45	23.5
--Cerebrovascular Diseases (Stroke)	40	58.0	15	51.4	23	41.8	116	60.6
--Arteriosclerosis	2	2.9	15	51.4	3	5.4	2	1.0
--Other Diseases of Arteries, Arterioles and Capillaries	6	8.7	3	10.3	2	3.6	17	8.9
Influenza and Pneumonia	22	31.9	6	20.6	6	10.9	32	16.7
--Influenza	3	4.3	0	0.0	1	1.8	4	2.1
--Pneumonia	19	27.5	6	20.6	5	9.1	28	14.6
Chronic Lower Respiratory Diseases	64	92.8	21	72.0	22	39.9	178	93.1
--Bronchitis, Emphysema and Asthma	6	8.7	0	0.0	3	5.4	10	5.2
Lung Diseases due to External Agents	3	4.3	1	3.4	2	3.6	17	8.9
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	1	0.5
Chronic Liver Disease and Cirrhosis	10	14.5	7	24.0	8	14.5	30	15.7
Nephritis, Nephrotic Syndrome and Nephrosis	18	26.1	3	10.3	3	5.4	74	38.7
Congenital Malformations	2	2.9	3	10.3	1	1.8	8	4.2
Ill-Defined and Unknown Causes of Death	13	18.8	3	10.3	7	12.7	43	22.5
Accidents, All Forms	76	110.2	22	75.4	30	54.5	153	80.0
--Motor Vehicle	21	30.4	8	27.4	4	7.3	33	17.3
--Falls	16	23.2	5	17.1	4	7.3	34	17.8
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	2	2.9	0	0.0	0	0.0	1	0.5
--Poisonings	21	30.4	6	20.6	17	30.9	69	36.1
--Other Accidents	16	23.2	3	10.3	5	9.1	16	8.4
Intentional Self-Harm (Suicide)	10	14.5	3	10.3	6	10.9	42	22.0
Assault (Homicide)	4	5.8	0	0.0	1	1.8	10	5.2
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	2	3.6	3	1.6
All Other Causes (Residual)	112	162.4	38	130.2	45	81.7	308	161.0

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2013  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Lewis		Lincoln		Logan		McDowell	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	1	2.3	3	11.0
Total Deaths, All Causes	210	12.8	258	12.0	541	15.0	369	17.7
--Deaths Under One Year	3	14.2	0	0.0	3	6.9	4	14.7
--Deaths Under 28 Days	1	4.7	0	0.0	2	4.6	2	7.4
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	3	18.2	6	27.8	17	47.2	4	19.2
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	44	267.4	56	259.8	116	322.3	71	340.1
--of Digestive Organs	14	85.1	9	41.7	29	80.6	16	76.6
----Colon	5	30.4	3	13.9	12	33.3	6	28.7
----Pancreas	4	24.3	3	13.9	6	16.7	7	33.5
--of Respiratory and Intrathoracic Organs	11	66.9	24	111.3	45	125.0	22	105.4
----Trachea, Bronchus and Lung	11	66.9	24	111.3	42	116.7	22	105.4
--of Breast	4	24.3	6	27.8	2	5.6	8	38.3
--of Genitourinary Organs	2	12.2	4	18.6	9	25.0	9	43.1
----Cervix Uteri	0	0.0	0	0.0	1	2.8	0	0.0
----Ovary	1	6.1	0	0.0	1	2.8	1	4.8
----Prostate	1	6.1	1	4.6	2	5.6	4	19.2
----Bladder	0	0.0	2	9.3	2	5.6	3	14.4
--All Other (Malignant Neoplasms)	13	79.0	13	60.3	31	86.1	16	76.6
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	12.2	0	0.0	1	2.8	1	4.8
Diabetes Mellitus	13	79.0	7	32.5	26	72.2	20	95.8
Dementia	2	12.2	15	69.6	15	41.7	16	76.6
Alzheimer's Disease	5	30.4	5	23.2	6	16.7	3	14.4
Major Cardiovascular Disease	62	376.9	75	347.9	137	380.7	84	402.4
--Diseases of the Heart	54	328.2	53	245.8	100	277.9	65	311.4
----Ischemic Heart Disease	42	255.3	30	139.2	70	194.5	50	239.5
--Essential Hypertension and Hypertensive Renal Disease	3	18.2	4	18.6	7	19.5	5	24.0
--Cerebrovascular Diseases (Stroke)	5	30.4	13	60.3	24	66.7	11	52.7
--Arteriosclerosis	0	0.0	1	4.6	1	2.8	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	4	18.6	5	13.9	3	14.4
Influenza and Pneumonia	9	54.7	9	41.7	14	38.9	9	43.1
--Influenza	0	0.0	0	0.0	0	0.0	1	4.8
--Pneumonia	9	54.7	9	41.7	14	38.9	8	38.3
Chronic Lower Respiratory Diseases	15	91.2	22	102.0	44	122.3	29	138.9
--Bronchitis, Emphysema and Asthma	0	0.0	3	13.9	3	8.3	2	9.6
Lung Diseases due to External Agents	1	6.1	1	4.6	7	19.5	8	38.3
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	1	2.8	4	19.2
Chronic Liver Disease and Cirrhosis	5	30.4	4	18.6	9	25.0	10	47.9
Nephritis, Nephrotic Syndrome and Nephrosis	5	30.4	4	18.6	4	11.1	10	47.9
Congenital Malformations	1	6.1	0	0.0	1	2.8	1	4.8
Ill-Defined and Unknown Causes of Death	1	6.1	4	18.6	3	8.3	5	24.0
Accidents, All Forms	10	60.8	19	88.1	50	138.9	30	143.7
--Motor Vehicle	3	18.2	6	27.8	10	27.8	4	19.2
--Falls	1	6.1	4	18.6	6	16.7	1	4.8
--Drownings	0	0.0	0	0.0	1	2.8	0	0.0
--Smoke, Fires and Flames	1	6.1	1	4.6	1	2.8	1	4.8
--Poisonings	2	12.2	6	27.8	23	63.9	19	91.0
--Other Accidents	3	18.2	2	9.3	9	25.0	5	24.0
Intentional Self-Harm (Suicide)	1	6.1	3	13.9	8	22.2	10	47.9
Assault (Homicide)	0	0.0	0	0.0	3	8.3	5	24.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	6.1	0	0.0	2	5.6	1	4.8
All Other Causes (Residual)	30	182.3	28	129.9	78	216.7	52	249.1

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2013  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Marion		Marshall		Mason		Mercer	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	5	7.2	0	0.0	1	3.6	4	5.4
Total Deaths, All Causes	628	11.0	414	12.8	337	12.4	914	14.7
--Deaths Under One Year	6	8.6	1	3.1	1	3.6	5	6.8
--Deaths Under 28 Days	5	7.2	0	0.0	0	0.0	3	4.1
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	6	10.6	6	18.5	3	11.1	9	14.5
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	1	3.7	3	4.8
Malignant Neoplasms	130	228.6	81	249.5	71	261.7	194	313.0
--of Digestive Organs	29	51.0	26	80.1	12	44.2	54	87.1
----Colon	10	17.6	10	30.8	4	14.7	21	33.9
----Pancreas	8	14.1	5	15.4	2	7.4	13	21.0
--of Respiratory and Intrathoracic Organs	42	73.9	23	70.9	25	92.2	64	103.3
----Trachea, Bronchus and Lung	39	68.6	23	70.9	25	92.2	61	98.4
--of Breast	10	17.6	5	15.4	4	14.7	10	16.1
--of Genitourinary Organs	13	22.9	9	27.7	8	29.5	20	32.3
----Cervix Uteri	0	0.0	0	0.0	0	0.0	0	0.0
----Ovary	1	1.8	1	3.1	2	7.4	4	6.5
----Prostate	2	3.5	2	6.2	2	7.4	4	6.5
----Bladder	6	10.6	5	15.4	0	0.0	7	11.3
--All Other (Malignant Neoplasms)	36	63.3	18	55.5	22	81.1	46	74.2
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	3	5.3	0	0.0	0	0.0	4	6.5
Diabetes Mellitus	25	44.0	13	40.1	17	62.7	36	58.1
Dementia	44	77.4	20	61.6	20	73.7	60	96.8
Alzheimer's Disease	12	21.1	15	46.2	14	51.6	10	16.1
Major Cardiovascular Disease	209	367.5	121	372.8	109	401.8	250	403.3
--Diseases of the Heart	167	293.7	93	286.5	82	302.3	195	314.6
----Ischemic Heart Disease	113	198.7	67	206.4	57	210.1	101	162.9
--Essential Hypertension and Hypertensive Renal Disease	8	14.1	5	15.4	4	14.7	10	16.1
--Cerebrovascular Diseases (Stroke)	22	38.7	19	58.5	19	70.0	35	56.5
--Arteriosclerosis	6	10.6	0	0.0	1	3.7	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	6	10.6	4	12.3	3	11.1	10	16.1
Influenza and Pneumonia	5	8.8	24	73.9	9	33.2	20	32.3
--Influenza	1	1.8	0	0.0	0	0.0	1	1.6
--Pneumonia	4	7.0	24	73.9	9	33.2	19	30.7
Chronic Lower Respiratory Diseases	59	103.7	30	92.4	24	88.5	78	125.8
--Bronchitis, Emphysema and Asthma	2	3.5	3	9.2	0	0.0	0	0.0
Lung Diseases due to External Agents	2	3.5	4	12.3	4	14.7	11	17.7
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	3	4.8
Chronic Liver Disease and Cirrhosis	3	5.3	5	15.4	5	18.4	18	29.0
Nephritis, Nephrotic Syndrome and Nephrosis	16	28.1	7	21.6	7	25.8	19	30.7
Congenital Malformations	3	5.3	0	0.0	4	14.7	2	3.2
Ill-Defined and Unknown Causes of Death	4	7.0	7	21.6	2	7.4	18	29.0
Accidents, All Forms	28	49.2	27	83.2	16	59.0	50	80.7
--Motor Vehicle	10	17.6	6	18.5	4	14.7	8	12.9
--Falls	5	8.8	7	21.6	2	7.4	14	22.6
--Drownings	1	1.8	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	1	3.7	0	0.0
--Poisonings	4	7.0	10	30.8	7	25.8	22	35.5
--Other Accidents	8	14.1	4	12.3	2	7.4	6	9.7
Intentional Self-Harm (Suicide)	7	12.3	7	21.6	3	11.1	18	29.0
Assault (Homicide)	1	1.8	1	3.1	1	3.7	2	3.2
Injury Undetermined Whether Accidental or Purposely Inflicted	1	1.8	0	0.0	2	7.4	1	1.6
All Other Causes (Residual)	70	123.1	46	141.7	25	92.2	111	179.1

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2013  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Mineral		Mingo		Monongalia		Monroe	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	3.3	1	3.2	4	3.7	1	8.3
Total Deaths, All Causes	338	12.2	368	14.2	663	6.5	182	13.5
--Deaths Under One Year	3	9.9	6	19.0	9	8.3	0	0.0
--Deaths Under 28 Days	2	6.6	3	9.5	4	3.7	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	5	18.0	7	27.0	14	13.7	1	7.4
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	76	274.3	78	301.2	134	131.0	37	274.4
--of Digestive Organs	12	43.3	17	65.6	36	35.2	6	44.5
----Colon	2	7.2	6	23.2	17	16.6	2	14.8
----Pancreas	7	25.3	3	11.6	8	7.8	1	7.4
--of Respiratory and Intrathoracic Organs	30	108.3	29	112.0	35	34.2	9	66.8
----Trachea, Bronchus and Lung	30	108.3	27	104.2	34	33.2	8	59.3
--of Breast	6	21.7	5	19.3	8	7.8	3	22.3
--of Genitourinary Organs	14	50.5	8	30.9	21	20.5	11	81.6
----Cervix Uteri	3	10.8	0	0.0	3	2.9	0	0.0
----Ovary	2	7.2	1	3.9	3	2.9	2	14.8
----Prostate	3	10.8	2	7.7	4	3.9	1	7.4
----Bladder	3	10.8	1	3.9	5	4.9	3	22.3
--All Other (Malignant Neoplasms)	14	50.5	19	73.4	34	33.2	8	59.3
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	3	2.9	0	0.0
Diabetes Mellitus	12	43.3	20	77.2	24	23.5	6	44.5
Dementia	19	68.6	10	38.6	37	36.2	10	74.2
Alzheimer's Disease	12	43.3	17	65.6	30	29.3	4	29.7
Major Cardiovascular Disease	92	332.1	106	409.3	210	205.3	44	326.3
--Diseases of the Heart	73	263.5	83	320.5	161	157.4	31	229.9
----Ischemic Heart Disease	42	151.6	64	247.1	103	100.7	14	103.8
--Essential Hypertension and Hypertensive Renal Disease	4	14.4	4	15.4	11	10.8	2	14.8
--Cerebrovascular Diseases (Stroke)	5	18.0	14	54.1	33	32.3	6	44.5
--Arteriosclerosis	2	7.2	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	8	28.9	5	19.3	5	4.9	5	37.1
Influenza and Pneumonia	11	39.7	10	38.6	7	6.8	2	14.8
--Influenza	1	3.6	1	3.9	0	0.0	1	7.4
--Pneumonia	10	36.1	9	34.7	7	6.8	1	7.4
Chronic Lower Respiratory Diseases	21	75.8	35	135.1	36	35.2	21	155.8
--Bronchitis, Emphysema and Asthma	3	10.8	7	27.0	1	1.0	1	7.4
Lung Diseases due to External Agents	4	14.4	4	15.4	7	6.8	1	7.4
--Coal Worker's Pneumoconiosis	0	0.0	2	7.7	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	6	21.7	4	15.4	9	8.8	2	14.8
Nephritis, Nephrotic Syndrome and Nephrosis	9	32.5	2	7.7	11	10.8	10	74.2
Congenital Malformations	2	7.2	3	11.6	6	5.9	0	0.0
Ill-Defined and Unknown Causes of Death	1	3.6	3	11.6	11	10.8	3	22.3
Accidents, All Forms	12	43.3	25	96.5	37	36.2	17	126.1
--Motor Vehicle	3	10.8	4	15.4	7	6.8	3	22.3
--Falls	1	3.6	3	11.6	11	10.8	3	22.3
--Drownings	0	0.0	2	7.7	4	3.9	0	0.0
--Smoke, Fires and Flames	1	3.6	0	0.0	2	2.0	1	7.4
--Poisonings	6	21.7	13	50.2	8	7.8	7	51.9
--Other Accidents	1	3.6	3	11.6	5	4.9	3	22.3
Intentional Self-Harm (Suicide)	3	10.8	4	15.4	10	9.8	1	7.4
Assault (Homicide)	0	0.0	3	11.6	2	2.0	1	7.4
Injury Undetermined Whether Accidental or Purposely Inflicted	1	3.6	0	0.0	2	2.0	0	0.0
All Other Causes (Residual)	52	187.7	37	142.9	73	71.4	22	163.2

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2013  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Morgan		Nicholas		Ohio		Pendleton	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	1	3.5	1	2.2	0	0.0
Total Deaths, All Causes	226	12.9	327	12.6	560	12.8	95	12.7
--Deaths Under One Year	0	0.0	3	10.5	3	6.5	0	0.0
--Deaths Under 28 Days	0	0.0	1	3.5	2	4.3	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	5	28.6	6	23.1	4	9.1	0	0.0
Human Immunodeficiency Virus Infection	0	0.0	1	3.9	0	0.0	0	0.0
Malignant Neoplasms	55	314.3	67	258.0	116	265.3	30	401.6
--of Digestive Organs	11	62.9	19	73.2	24	54.9	6	80.3
----Colon	4	22.9	8	30.8	7	16.0	2	26.8
----Pancreas	0	0.0	4	15.4	10	22.9	1	13.4
--of Respiratory and Intrathoracic Organs	18	102.9	19	73.2	35	80.0	5	66.9
----Trachea, Bronchus and Lung	17	97.2	19	73.2	34	77.8	5	66.9
--of Breast	3	17.1	6	23.1	13	29.7	2	26.8
--of Genitourinary Organs	12	68.6	10	38.5	14	32.0	8	107.1
----Cervix Uteri	1	5.7	1	3.9	0	0.0	0	0.0
----Ovary	3	17.1	1	3.9	2	4.6	3	40.2
----Prostate	2	11.4	3	11.6	4	9.1	3	40.2
----Bladder	4	22.9	2	7.7	5	11.4	0	0.0
--All Other (Malignant Neoplasms)	11	62.9	13	50.1	30	68.6	9	120.5
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	11.4	1	3.9	2	4.6	2	26.8
Diabetes Mellitus	9	51.4	9	34.7	23	52.6	3	40.2
Dementia	7	40.0	15	57.8	36	82.3	2	26.8
Alzheimer's Disease	8	45.7	4	15.4	21	48.0	4	53.5
Major Cardiovascular Disease	66	377.2	91	350.5	152	347.6	25	334.6
--Diseases of the Heart	47	268.6	63	242.6	106	242.4	20	267.7
----Ischemic Heart Disease	29	165.7	38	146.4	62	141.8	14	187.4
--Essential Hypertension and Hypertensive Renal Disease	2	11.4	7	27.0	9	20.6	0	0.0
--Cerebrovascular Diseases (Stroke)	12	68.6	21	80.9	28	64.0	5	66.9
--Arteriosclerosis	1	5.7	0	0.0	2	4.6	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	4	22.9	0	0.0	7	16.0	0	0.0
Influenza and Pneumonia	6	34.3	3	11.6	30	68.6	1	13.4
--Influenza	1	5.7	0	0.0	0	0.0	0	0.0
--Pneumonia	5	28.6	3	11.6	30	68.6	1	13.4
Chronic Lower Respiratory Diseases	11	62.9	25	96.3	42	96.1	6	80.3
--Bronchitis, Emphysema and Asthma	0	0.0	5	19.3	7	16.0	1	13.4
Lung Diseases due to External Agents	0	0.0	4	15.4	6	13.7	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	3	17.1	7	27.0	6	13.7	1	13.4
Nephritis, Nephrotic Syndrome and Nephrosis	7	40.0	3	11.6	9	20.6	2	26.8
Congenital Malformations	0	0.0	3	11.6	2	4.6	0	0.0
Ill-Defined and Unknown Causes of Death	2	11.4	3	11.6	7	16.0	0	0.0
Accidents, All Forms	15	85.7	28	107.8	29	66.3	8	107.1
--Motor Vehicle	3	17.1	7	27.0	5	11.4	3	40.2
--Falls	4	22.9	3	11.6	13	29.7	1	13.4
--Drownings	0	0.0	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	2	7.7	1	2.3	0	0.0
--Poisonings	7	40.0	11	42.4	7	16.0	1	13.4
--Other Accidents	1	5.7	5	19.3	3	6.9	3	40.2
Intentional Self-Harm (Suicide)	3	17.1	4	15.4	7	16.0	0	0.0
Assault (Homicide)	0	0.0	1	3.9	0	0.0	1	13.4
Injury Undetermined Whether Accidental or Purposely Inflicted	1	5.7	1	3.9	1	2.3	0	0.0
All Other Causes (Residual)	26	148.6	51	196.4	67	153.2	10	133.9

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2013  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Pleasants		Pocahontas		Preston		Putnam	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	11.9	1	10.3	1	2.8	1	1.6
Total Deaths, All Causes	72	9.5	116	13.4	365	10.8	548	9.7
--Deaths Under One Year	2	23.8	2	20.6	2	5.5	7	11.1
--Deaths Under 28 Days	1	11.9	2	20.6	0	0.0	7	11.1
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	4	46.1	7	20.7	6	10.6
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	15	198.0	32	369.1	84	248.1	116	204.8
--of Digestive Organs	2	26.4	5	57.7	17	50.2	22	38.8
----Colon	1	13.2	2	23.1	7	20.7	6	10.6
----Pancreas	0	0.0	1	11.5	2	5.9	10	17.7
--of Respiratory and Intrathoracic Organs	7	92.4	12	138.4	24	70.9	36	63.5
----Trachea, Bronchus and Lung	7	92.4	12	138.4	22	65.0	35	61.8
--of Breast	0	0.0	1	11.5	4	11.8	6	10.6
--of Genitourinary Organs	1	13.2	6	69.2	13	38.4	15	26.5
----Cervix Uteri	0	0.0	1	11.5	0	0.0	1	1.8
----Ovary	0	0.0	0	0.0	1	3.0	4	7.1
----Prostate	1	13.2	1	11.5	4	11.8	3	5.3
----Bladder	0	0.0	2	23.1	5	14.8	3	5.3
--All Other (Malignant Neoplasms)	5	66.0	8	92.3	26	76.8	37	65.3
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	2	5.9	5	8.8
Diabetes Mellitus	4	52.8	5	57.7	16	47.3	18	31.8
Dementia	3	39.6	1	11.5	5	14.8	38	67.1
Alzheimer's Disease	2	26.4	8	92.3	16	47.3	21	37.1
Major Cardiovascular Disease	18	237.6	23	265.3	127	375.1	140	247.1
--Diseases of the Heart	11	145.2	18	207.6	100	295.3	101	178.3
----Ischemic Heart Disease	7	92.4	9	103.8	71	209.7	69	121.8
--Essential Hypertension and Hypertensive Renal Disease	1	13.2	0	0.0	6	17.7	7	12.4
--Cerebrovascular Diseases (Stroke)	5	66.0	3	34.6	18	53.2	28	49.4
--Arteriosclerosis	0	0.0	0	0.0	2	5.9	1	1.8
--Other Diseases of Arteries, Arterioles and Capillaries	1	13.2	2	23.1	1	3.0	3	5.3
Influenza and Pneumonia	3	39.6	1	11.5	7	20.7	13	22.9
--Influenza	1	13.2	0	0.0	1	3.0	0	0.0
--Pneumonia	2	26.4	1	11.5	6	17.7	13	22.9
Chronic Lower Respiratory Diseases	2	26.4	8	92.3	27	79.7	34	60.0
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	4	11.8	1	1.8
Lung Diseases due to External Agents	3	39.6	2	23.1	0	0.0	4	7.1
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	3	8.9	6	10.6
Nephritis, Nephrotic Syndrome and Nephrosis	1	13.2	6	69.2	5	14.8	16	28.2
Congenital Malformations	0	0.0	2	23.1	1	3.0	5	8.8
Ill-Defined and Unknown Causes of Death	2	26.4	3	34.6	7	20.7	10	17.7
Accidents, All Forms	3	39.6	4	46.1	17	50.2	34	60.0
--Motor Vehicle	1	13.2	2	23.1	4	11.8	7	12.4
--Falls	0	0.0	1	11.5	4	11.8	9	15.9
--Drownings	0	0.0	0	0.0	0	0.0	1	1.8
--Smoke, Fires and Flames	0	0.0	0	0.0	1	3.0	0	0.0
--Poisonings	0	0.0	1	11.5	3	8.9	11	19.4
--Other Accidents	2	26.4	0	0.0	5	14.8	6	10.6
Intentional Self-Harm (Suicide)	1	13.2	1	11.5	4	11.8	8	14.1
Assault (Homicide)	0	0.0	0	0.0	3	8.9	1	1.8
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	1	11.5	0	0.0	2	3.5
All Other Causes (Residual)	15	198.0	15	173.0	34	100.4	71	125.3

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2013  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Raleigh		Randolph		Ritchie		Roane	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	4	4.4	3	9.7	0	0.0	2	13.4
Total Deaths, All Causes	964	12.2	389	13.2	100	9.9	199	13.6
--Deaths Under One Year	7	7.6	2	6.5	2	20.8	1	6.7
--Deaths Under 28 Days	7	7.6	2	6.5	1	10.4	1	6.7
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	19	24.1	2	6.8	1	9.9	2	13.6
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	197	249.9	75	255.0	31	307.8	47	320.7
--of Digestive Organs	49	62.2	14	47.6	10	99.3	10	68.2
----Colon	15	19.0	6	20.4	4	39.7	3	20.5
----Pancreas	13	16.5	3	10.2	0	0.0	1	6.8
--of Respiratory and Intrathoracic Organs	68	86.3	33	112.2	9	89.3	15	102.3
----Trachea, Bronchus and Lung	65	82.5	32	108.8	9	89.3	15	102.3
--of Breast	15	19.0	5	17.0	2	19.9	4	27.3
--of Genitourinary Organs	17	21.6	5	17.0	5	49.6	5	34.1
----Cervix Uteri	0	0.0	0	0.0	0	0.0	2	13.6
----Ovary	3	3.8	0	0.0	2	19.9	2	13.6
----Prostate	7	8.9	1	3.4	1	9.9	1	6.8
----Bladder	3	3.8	1	3.4	1	9.9	0	0.0
--All Other (Malignant Neoplasms)	48	60.9	18	61.2	5	49.6	13	88.7
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	6	7.6	3	10.2	0	0.0	0	0.0
Diabetes Mellitus	28	35.5	16	54.4	2	19.9	10	68.2
Dementia	42	53.3	12	40.8	3	29.8	6	40.9
Alzheimer's Disease	5	6.3	14	47.6	1	9.9	10	68.2
Major Cardiovascular Disease	268	340.0	129	438.6	23	228.3	46	313.9
--Diseases of the Heart	209	265.1	100	340.0	18	178.7	33	225.2
----Ischemic Heart Disease	124	157.3	77	261.8	5	49.6	24	163.8
--Essential Hypertension and Hypertensive Renal Disease	10	12.7	4	13.6	1	9.9	2	13.6
--Cerebrovascular Diseases (Stroke)	44	55.8	22	74.8	1	9.9	8	54.6
--Arteriosclerosis	0	0.0	1	3.4	3	29.8	1	6.8
--Other Diseases of Arteries, Arterioles and Capillaries	5	6.3	2	6.8	0	0.0	2	13.6
Influenza and Pneumonia	18	22.8	7	23.8	2	19.9	8	54.6
--Influenza	0	0.0	1	3.4	0	0.0	1	6.8
--Pneumonia	18	22.8	6	20.4	2	19.9	7	47.8
Chronic Lower Respiratory Diseases	73	92.6	30	102.0	10	99.3	16	109.2
--Bronchitis, Emphysema and Asthma	4	5.1	3	10.2	0	0.0	0	0.0
Lung Diseases due to External Agents	15	19.0	4	13.6	0	0.0	2	13.6
--Coal Worker's Pneumoconiosis	5	6.3	1	3.4	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	15	19.0	3	10.2	0	0.0	8	54.6
Nephritis, Nephrotic Syndrome and Nephrosis	22	27.9	4	13.6	3	29.8	3	20.5
Congenital Malformations	6	7.6	2	6.8	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	22	27.9	8	27.2	0	0.0	2	13.6
Accidents, All Forms	68	86.3	27	91.8	6	59.6	15	102.3
--Motor Vehicle	13	16.5	12	40.8	2	19.9	4	27.3
--Falls	14	17.8	4	13.6	0	0.0	3	20.5
--Drownings	0	0.0	0	0.0	1	9.9	0	0.0
--Smoke, Fires and Flames	0	0.0	4	13.6	0	0.0	0	0.0
--Poisonings	35	44.4	5	17.0	1	9.9	4	27.3
--Other Accidents	6	7.6	2	6.8	2	19.9	4	27.3
Intentional Self-Harm (Suicide)	18	22.8	8	27.2	0	0.0	3	20.5
Assault (Homicide)	9	11.4	0	0.0	1	9.9	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	6	7.6	2	6.8	1	9.9	0	0.0
All Other Causes (Residual)	127	161.1	43	146.2	16	158.8	21	143.3

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2013  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Summers		Taylor		Tucker		Tyler	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	10.3	0	0.0	0	0.0	2	21.3
Total Deaths, All Causes	207	15.3	196	11.5	99	14.2	110	12.2
--Deaths Under One Year	1	10.3	2	11.6	0	0.0	0	0.0
--Deaths Under 28 Days	1	10.3	1	5.8	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	6	44.2	3	17.7	1	14.4	2	22.2
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	34	250.7	40	235.7	20	287.0	25	277.9
--of Digestive Organs	9	66.4	11	64.8	5	71.8	6	66.7
----Colon	4	29.5	4	23.6	3	43.1	0	0.0
----Pancreas	3	22.1	2	11.8	1	14.4	1	11.1
--of Respiratory and Intrathoracic Organs	3	22.1	11	64.8	3	43.1	9	100.1
----Trachea, Bronchus and Lung	2	14.7	11	64.8	3	43.1	9	100.1
--of Breast	2	14.7	3	17.7	1	14.4	3	33.4
--of Genitourinary Organs	5	36.9	4	23.6	3	43.1	1	11.1
----Cervix Uteri	1	7.4	0	0.0	0	0.0	1	11.1
----Ovary	1	7.4	1	5.9	0	0.0	0	0.0
----Prostate	0	0.0	2	11.8	1	14.4	0	0.0
----Bladder	0	0.0	0	0.0	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	15	110.6	11	64.8	8	114.8	6	66.7
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	1	5.9	1	14.4	1	11.1
Diabetes Mellitus	10	73.7	12	70.7	6	86.1	1	11.1
Dementia	13	95.8	6	35.4	4	57.4	2	22.2
Alzheimer's Disease	2	14.7	1	5.9	6	86.1	3	33.4
Major Cardiovascular Disease	61	449.8	63	371.2	30	430.5	34	378.0
--Diseases of the Heart	52	383.4	36	212.1	27	387.5	25	277.9
----Ischemic Heart Disease	35	258.1	28	165.0	14	200.9	20	222.3
--Essential Hypertension and Hypertensive Renal Disease	1	7.4	4	23.6	1	14.4	0	0.0
--Cerebrovascular Diseases (Stroke)	8	59.0	9	53.0	0	0.0	7	77.8
--Arteriosclerosis	0	0.0	13	76.6	1	14.4	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	1	5.9	1	14.4	2	22.2
Influenza and Pneumonia	4	29.5	3	17.7	0	0.0	2	22.2
--Influenza	0	0.0	0	0.0	0	0.0	0	0.0
--Pneumonia	4	29.5	3	17.7	0	0.0	2	22.2
Chronic Lower Respiratory Diseases	19	140.1	18	106.1	10	143.5	13	144.5
--Bronchitis, Emphysema and Asthma	3	22.1	0	0.0	3	43.1	0	0.0
Lung Diseases due to External Agents	0	0.0	1	5.9	1	14.4	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	4	29.5	6	35.4	1	14.4	1	11.1
Nephritis, Nephrotic Syndrome and Nephrosis	5	36.9	1	5.9	1	14.4	3	33.4
Congenital Malformations	2	14.7	0	0.0	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	5	36.9	0	0.0	1	14.4	4	44.5
Accidents, All Forms	11	81.1	11	64.8	6	86.1	3	33.4
--Motor Vehicle	4	29.5	5	29.5	2	28.7	1	11.1
--Falls	3	22.1	2	11.8	2	28.7	1	11.1
--Drownings	0	0.0	0	0.0	1	14.4	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	0	0.0
--Poisonings	3	22.1	3	17.7	0	0.0	0	0.0
--Other Accidents	1	7.4	1	5.9	1	14.4	1	11.1
Intentional Self-Harm (Suicide)	2	14.7	1	5.9	2	28.7	0	0.0
Assault (Homicide)	1	7.4	1	5.9	0	0.0	1	11.1
Injury Undetermined Whether Accidental or Purposely Inflicted	1	7.4	1	5.9	1	14.4	0	0.0
All Other Causes (Residual)	27	199.1	27	159.1	8	114.8	15	166.8

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2013  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Upshur		Wayne		Webster		Wetzel	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	3.6	1	2.0	1	10.2	1	5.7
Total Deaths, All Causes	247	10.0	482	11.6	131	14.7	221	13.6
--Deaths Under One Year	1	3.6	0	0.0	0	0.0	3	17.2
--Deaths Under 28 Days	0	0.0	0	0.0	0	0.0	3	17.2
Tuberculosis	1	4.1	0	0.0	0	0.0	0	0.0
Septicemia	1	4.1	5	12.1	5	56.2	7	43.2
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	61	247.3	98	236.5	34	382.3	56	345.6
--of Digestive Organs	15	60.8	23	55.5	8	90.0	10	61.7
----Colon	5	20.3	6	14.5	5	56.2	6	37.0
----Pancreas	3	12.2	5	12.1	1	11.2	1	6.2
--of Respiratory and Intrathoracic Organs	20	81.1	31	74.8	10	112.4	23	141.9
----Trachea, Bronchus and Lung	20	81.1	29	70.0	10	112.4	22	135.8
--of Breast	2	8.1	7	16.9	3	33.7	3	18.5
--of Genitourinary Organs	11	44.6	15	36.2	4	45.0	8	49.4
----Cervix Uteri	1	4.1	0	0.0	0	0.0	1	6.2
----Ovary	1	4.1	3	7.2	0	0.0	1	6.2
----Prostate	2	8.1	6	14.5	4	45.0	0	0.0
----Bladder	2	8.1	2	4.8	0	0.0	1	6.2
--All Other (Malignant Neoplasms)	13	52.7	22	53.1	9	101.2	12	74.1
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	4.1	2	4.8	1	11.2	1	6.2
Diabetes Mellitus	8	32.4	32	77.2	0	0.0	8	49.4
Dementia	13	52.7	22	53.1	5	56.2	3	18.5
Alzheimer's Disease	5	20.3	19	45.9	0	0.0	9	55.5
Major Cardiovascular Disease	75	304.1	125	301.7	41	461.0	62	382.6
--Diseases of the Heart	58	235.2	91	219.6	29	326.1	54	333.3
----Ischemic Heart Disease	36	146.0	56	135.1	13	146.2	35	216.0
--Essential Hypertension and Hypertensive Renal Disease	1	4.1	5	12.1	0	0.0	3	18.5
--Cerebrovascular Diseases (Stroke)	14	56.8	27	65.2	9	101.2	3	18.5
--Arteriosclerosis	0	0.0	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	2	8.1	2	4.8	3	33.7	2	12.3
Influenza and Pneumonia	4	16.2	6	14.5	3	33.7	11	67.9
--Influenza	1	4.1	1	2.4	0	0.0	1	6.2
--Pneumonia	3	12.2	5	12.1	3	33.7	10	61.7
Chronic Lower Respiratory Diseases	14	56.8	40	96.5	13	146.2	12	74.1
--Bronchitis, Emphysema and Asthma	1	4.1	4	9.7	1	11.2	3	18.5
Lung Diseases due to External Agents	2	8.1	2	4.8	0	0.0	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	8.1	3	7.2	2	22.5	2	12.3
Nephritis, Nephrotic Syndrome and Nephrosis	7	28.4	11	26.5	3	33.7	8	49.4
Congenital Malformations	1	4.1	2	4.8	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	3	12.2	9	21.7	1	11.2	2	12.3
Accidents, All Forms	12	48.7	36	86.9	13	146.2	8	49.4
--Motor Vehicle	4	16.2	7	16.9	4	45.0	3	18.5
--Falls	3	12.2	4	9.7	3	33.7	1	6.2
--Drownings	0	0.0	1	2.4	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	1	11.2	0	0.0
--Poisonings	4	16.2	17	41.0	1	11.2	4	24.7
--Other Accidents	1	4.1	7	16.9	4	45.0	0	0.0
Intentional Self-Harm (Suicide)	8	32.4	10	24.1	0	0.0	4	24.7
Assault (Homicide)	0	0.0	2	4.8	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	2	4.8	1	11.2	0	0.0
All Other Causes (Residual)	29	117.6	56	135.1	9	101.2	28	172.8

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by County  
West Virginia, 2013  
Table 61 (Cont'd)

Selected Causes of Death	Number and Rate by County							
	Wirt		Wood		Wyoming		Total	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	16.1	4	3.8	1	4.6	94	4.5
Total Deaths, All Causes	57	9.7	1,045	12.1	310	13.5	21,846	11.8
--Deaths Under One Year	1	16.1	9	8.7	1	4.6	157	7.5
--Deaths Under 28 Days	1	16.1	5	4.8	0	0.0	93	4.5
Tuberculosis	0	0.0	0	0.0	0	0.0	2	0.1
Septicemia	0	0.0	19	21.9	4	17.4	331	17.9
Human Immunodeficiency Virus Infection	0	0.0	1	1.2	0	0.0	19	1.0
Malignant Neoplasms	17	288.1	219	253.0	73	317.1	4,717	254.4
--of Digestive Organs	4	67.8	55	63.5	19	82.5	1,115	60.1
----Colon	1	16.9	19	21.9	8	34.8	409	22.1
----Pancreas	1	16.9	15	17.3	2	8.7	253	13.6
--of Respiratory and Intrathoracic Organs	6	101.7	61	70.5	28	121.6	1,495	80.6
----Trachea, Bronchus and Lung	6	101.7	59	68.2	28	121.6	1,439	77.6
--of Breast	0	0.0	8	9.2	4	17.4	284	15.3
--of Genitourinary Organs	3	50.8	39	45.1	11	47.8	661	35.6
----Cervix Uteri	0	0.0	0	0.0	0	0.0	34	1.8
----Ovary	0	0.0	6	6.9	2	8.7	104	5.6
----Prostate	2	33.9	9	10.4	4	17.4	178	9.6
----Bladder	0	0.0	6	6.9	2	8.7	130	7.0
--All Other (Malignant Neoplasms)	4	67.8	56	64.7	11	47.8	1,162	62.7
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	12	13.9	1	4.3	97	5.2
Diabetes Mellitus	5	84.7	40	46.2	11	47.8	841	45.4
Dementia	4	67.8	36	41.6	16	69.5	1,092	58.9
Alzheimer's Disease	0	0.0	29	33.5	0	0.0	590	31.8
Major Cardiovascular Disease	16	271.1	346	399.7	85	369.3	6,191	333.9
--Diseases of the Heart	8	135.6	270	311.9	67	291.1	4,672	252.0
----Ischemic Heart Disease	6	101.7	147	169.8	43	186.8	2,935	158.3
--Essential Hypertension and Hypertensive Renal Disease	2	33.9	11	12.7	2	8.7	281	15.2
--Cerebrovascular Diseases (Stroke)	4	67.8	51	58.9	16	69.5	987	53.2
--Arteriosclerosis	0	0.0	10	11.6	0	0.0	81	4.4
--Other Diseases of Arteries, Arterioles and Capillaries	2	33.9	4	4.6	0	0.0	170	9.2
Influenza and Pneumonia	1	16.9	18	20.8	4	17.4	482	26.0
--Influenza	0	0.0	0	0.0	0	0.0	27	1.5
--Pneumonia	1	16.9	18	20.8	4	17.4	455	24.5
Chronic Lower Respiratory Diseases	1	16.9	69	79.7	27	117.3	1,589	85.7
--Bronchitis, Emphysema and Asthma	0	0.0	2	2.3	2	8.7	132	7.1
Lung Diseases due to External Agents	0	0.0	8	9.2	4	17.4	169	9.1
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	2	8.7	24	1.3
Chronic Liver Disease and Cirrhosis	1	16.9	14	16.2	2	8.7	293	15.8
Nephritis, Nephrotic Syndrome and Nephrosis	0	0.0	17	19.6	7	30.4	449	24.2
Congenital Malformations	0	0.0	4	4.6	1	4.3	88	4.7
Ill-Defined and Unknown Causes of Death	2	33.9	18	20.8	7	30.4	330	17.8
Accidents, All Forms	2	33.9	41	47.4	30	130.3	1,411	76.1
--Motor Vehicle	1	16.9	8	9.2	8	34.8	332	17.9
--Falls	1	16.9	11	12.7	5	21.7	270	14.6
--Drownings	0	0.0	0	0.0	0	0.0	15	0.8
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0	34	1.8
--Poisonings	0	0.0	16	18.5	15	65.2	555	29.9
--Other Accidents	0	0.0	6	6.9	2	8.7	205	11.1
Intentional Self-Harm (Suicide)	1	16.9	16	18.5	4	17.4	324	17.5
Assault (Homicide)	0	0.0	0	0.0	2	8.7	76	4.1
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	2	2.3	4	17.4	63	3.4
All Other Causes (Residual)	7	118.6	136	157.1	28	121.6	2,692	145.2

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Marriages by Month of Occurrence  
West Virginia by County, 2013  
Table 62

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Barbour	3	4	3	6	7	19	9	15	16	10	7	6	105
Berkeley	22	35	47	55	71	88	54	77	71	80	31	35	666
Boone	5	19	6	15	18	30	18	20	12	15	14	11	183
Braxton	3	6	1	4	7	8	10	12	11	8	5	4	79
Brooke	3	5	6	13	12	18	12	18	10	13	6	8	124
Cabell	21	34	39	39	71	100	52	72	70	61	39	36	634
Calhoun	1	0	4	3	4	3	5	7	4	7	4	4	46
Clay	4	3	2	8	7	7	11	7	5	7	3	3	67
Doddridge	0	1	3	1	2	4	5	5	3	5	3	3	35
Fayette	12	17	17	26	25	36	24	42	32	28	22	25	306
Gilmer	1	1	2	7	3	7	2	6	6	8	0	2	45
Grant	1	5	5	2	5	10	7	8	10	11	5	2	71
Greenbrier	4	9	7	12	13	37	27	18	19	20	21	12	199
Hampshire	5	5	5	1	8	18	10	10	15	14	5	4	100
Hancock	7	6	13	13	19	28	27	25	16	18	14	19	205
Hardy	3	5	2	3	6	13	13	10	11	12	7	3	88
Harrison	18	28	25	30	44	56	48	67	60	64	27	30	497
Jackson	8	6	11	17	24	23	20	24	22	25	13	14	207
Jefferson	14	17	18	18	37	50	23	29	44	45	13	17	325
Kanawha	56	68	77	99	133	159	139	155	114	138	89	97	1,324
Lewis	2	7	10	12	9	16	8	15	15	17	8	12	131
Lincoln	9	10	7	8	12	20	22	8	16	15	16	8	151
Logan	8	1	7	25	25	35	20	29	24	17	24	20	235
McDowell	7	15	8	18	9	13	11	11	12	18	4	8	134
Marion	19	14	19	25	38	54	33	44	42	42	21	30	381
Marshall	7	8	17	15	23	34	26	30	39	28	11	18	256
Mason	5	7	8	16	18	18	16	15	13	20	15	21	172
Mercer	21	25	33	43	48	54	52	46	46	55	30	29	482
Mineral	8	9	14	7	15	28	19	25	16	13	11	10	175
Mingo	7	9	21	19	24	39	14	25	16	20	13	8	215
Monongalia	29	21	32	37	72	99	68	86	57	75	51	36	663
Monroe	0	4	7	3	9	15	7	12	7	7	2	5	78
Morgan	6	3	4	5	9	10	6	10	10	19	11	11	104
Nicholas	7	11	9	12	22	31	20	26	29	22	19	15	223
Ohio	6	16	20	23	27	40	22	31	39	42	20	19	305
Pendleton	1	3	4	0	3	8	2	3	4	4	2	3	37
Pleasants	0	6	2	3	5	4	8	6	10	8	5	3	60
Pocahontas	5	3	3	3	7	6	8	2	5	6	7	2	57
Preston	10	2	3	12	17	25	25	18	20	24	12	14	182
Putnam	17	10	16	22	32	58	32	35	44	29	30	19	344
Raleigh	18	31	39	46	46	80	71	64	44	59	41	28	567
Randolph	10	13	9	10	23	30	18	22	15	26	15	14	205
Ritchie	4	2	3	1	4	6	7	6	4	8	4	5	54
Roane	6	6	9	6	9	12	16	11	13	13	4	10	115
Summers	2	1	3	9	3	9	10	10	12	5	11	8	83
Taylor	3	6	2	12	10	9	14	15	12	10	8	6	107
Tucker	0	3	2	3	7	10	9	10	10	4	5	6	69
Tyler	5	6	3	4	9	6	4	8	7	7	1	11	71
Upshur	7	5	13	10	26	27	31	21	20	15	14	10	199
Wayne	6	7	7	24	20	30	20	22	24	16	10	16	202
Webster	1	3	7	5	7	5	4	7	7	8	7	5	66
Wetzel	4	7	5	7	10	15	11	9	12	15	6	11	112
Wirt	1	0	3	3	5	7	6	3	2	6	5	2	43
Wood	25	40	47	37	63	83	54	66	70	61	40	47	633
Wyoming	3	10	9	14	13	21	22	20	13	20	7	13	165
Total	460	598	698	871	1,195	1,671	1,232	1,398	1,280	1,343	818	818	12,382

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Number of Marriages by County  
West Virginia, 2009-2013  
Table 63

County	2009	2010	2011	2012	2013	County	2009	2010	2011	2012	2013
Barbour	76	106	102	120	105	Monongalia	619	630	670	662	663
Berkeley	481	529	608	618	666	Monroe	70	71	66	78	78
Boone	201	170	248	176	183	Morgan	104	133	108	101	104
Braxton	97	109	92	117	79	Nicholas	227	237	257	237	223
Brooke	157	148	162	169	124	Ohio	332	348	340	348	305
Cabell	622	620	631	670	634	Pendleton	42	48	43	46	37
Calhoun	72	55	54	55	46	Pleasants	47	49	64	61	60
Clay	97	81	93	76	67	Pocahontas	70	71	61	54	57
Doddridge	45	36	49	52	35	Preston	190	201	193	210	182
Fayette	333	361	365	373	306	Putnam	353	357	387	348	344
Gilmer	67	54	53	51	45	Raleigh	554	635	621	620	567
Grant	77	97	70	68	71	Randolph	208	213	228	224	205
Greenbrier	236	243	277	268	199	Ritchie	53	59	65	61	54
Hampshire	101	95	136	106	100	Roane	102	97	103	106	115
Hancock	179	172	173	194	205	Summers	74	78	92	82	83
Hardy	85	104	88	96	88	Taylor	92	93	92	121	107
Harrison	484	489	537	471	497	Tucker	60	70	56	68	69
Jackson	191	221	173	209	207	Tyler	58	83	56	43	71
Jefferson	252	283	293	277	325	Upshur	180	206	207	213	199
Kanawha	1,352	1,373	1,453	1,367	1,324	Wayne	223	199	211	234	202
Lewis	114	141	128	117	131	Webster	78	77	93	79	66
Lincoln	163	159	170	144	151	Wetzel	114	119	104	110	112
Logan	330	272	310	281	235	Wirt	39	42	35	28	43
McDowell	168	193	189	205	134	Wood	628	576	639	667	633
Marion	435	429	395	399	381	Wyoming	190	162	190	195	165
Marshall	205	220	229	240	256						
Mason	178	199	197	168	172						
Mercer	525	445	578	525	482						
Mineral	168	171	172	151	175						
Mingo	270	233	265	237	215						
						Total	12,468	12,662	13,271	12,996	12,382

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Divorces and Annulments by County of Occurrence  
West Virginia, 2013  
Table 64

County	Number of Divorces	Number of Annulments	Total	County	Number of Divorces	Number of Annulments	Total
Barbour	79	0	79	Monongalia	245	0	245
Berkeley	435	1	436	Monroe	63	0	63
Boone	117	0	117	Morgan	68	0	68
Braxton	65	0	65	Nicholas	179	0	179
Brooke	106	0	106	Ohio	128	0	128
Cabell	422	0	422	Pendleton	23	0	23
Calhoun	40	0	40	Pleasants	40	0	40
Clay	90	0	90	Pocahontas	38	0	38
Doddridge	30	0	30	Preston	130	0	130
Fayette	215	0	215	Putnam	321	0	321
Gilmer	33	0	33	Raleigh	431	0	431
Grant	66	0	66	Randolph	87	0	87
Greenbrier	152	0	152	Ritchie	40	0	40
Hampshire	90	0	90	Roane	73	0	73
Hancock	125	0	125	Summers	74	0	74
Hardy	62	0	62	Taylor	73	0	73
Harrison	300	0	300	Tucker	20	0	20
Jackson	100	2	102	Tyler	50	0	50
Jefferson	216	1	217	Upshur	144	0	144
Kanawha	916	2	918	Wayne	235	0	235
Lewis	80	0	80	Webster	51	0	51
Lincoln	134	0	134	Wetzel	71	0	71
Logan	216	0	216	Wirt	30	0	30
McDowell	69	0	69	Wood	477	2	479
Marion	212	1	213	Wyoming	139	0	139
Marshall	137	2	139				
Mason	148	0	148				
Mercer	366	0	366	Total	8,529	13	8,542
Mineral	101	1	102				
Mingo	177	1	178				

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Divorces and Annulments by County of Occurrence  
West Virginia, 2009-2013  
Table 65

County	2009	2010	2011	2012	2013	County	2009	2010	2011	2012	2013
Barbour	63	73	88	72	79	Monongalia	257	263	277	241	245
Berkeley	386	391	445	476	436	Monroe	95	80	45	67	63
Boone	185	165	156	142	117	Morgan	82	69	81	67	68
Braxton	63	63	71	62	65	Nicholas	205	223	211	178	179
Brooke	90	107	104	104	106	Ohio	116	149	139	108	128
Cabell	483	511	474	391	422	Pendleton	22	37	37	28	23
Calhoun	36	48	46	34	40	Pleasants	38	43	40	38	40
Clay	94	73	71	63	90	Pocahontas	39	42	44	44	38
Doddridge	32	29	34	33	30	Preston	146	139	127	122	130
Fayette	283	248	275	289	215	Putnam	325	292	308	305	321
Gilmer	37	30	29	34	33	Raleigh	439	463	477	436	431
Grant	67	65	55	54	66	Randolph	109	92	98	86	87
Greenbrier	217	190	226	187	152	Ritchie	50	39	48	54	40
Hampshire	108	121	113	104	90	Roane	80	81	105	57	73
Hancock	138	127	160	160	125	Summers	71	72	62	57	74
Hardy	60	76	69	66	62	Taylor	63	92	107	78	73
Harrison	364	305	295	304	300	Tucker	37	32	34	26	20
Jackson	134	165	145	127	102	Tyler	47	54	52	43	50
Jefferson	241	221	227	248	217	Upshur	113	119	150	138	144
Kanawha	1,129	1,074	1,061	976	918	Wayne	243	255	286	267	235
Lewis	103	84	105	100	80	Webster	105	60	56	57	51
Lincoln	164	140	112	130	134	Wetzel	68	80	87	67	71
Logan	274	206	228	210	216	Wirt	27	34	34	35	30
McDowell	86	143	149	133	69	Wood	398	486	523	468	479
Marion	176	242	249	224	213	Wyoming	184	146	144	162	139
Marshall	127	142	141	156	139						
Mason	148	208	164	121	148						
Mercer	439	383	410	426	366	Total	9,420	9,431	9,620	8,932	8,542
Mineral	128	140	126	98	102						
Mingo	206	219	220	179	178						

West Virginia Bureau for Public Health  
Health Statistics Center, 2016



# West Virginia Vital Statistics

## **City-Level Data**



Number and Rate of Births by City of Residence  
West Virginia, 2013  
Table 66

30 Most Populated Cities	2013 Population Estimate*	Resident Births	Rate per 1,000 Population
Beckley	17,607	222	12.6
Bluefield	10,473	124	11.8
Bridgeport	8,374	77	9.2
Buckhannon	5,683	63	11.1
Charles Town	5,516	84	15.2
Charleston	50,821	618	12.2
Clarksburg	16,360	250	15.3
Dunbar	7,838	101	12.9
Elkins	7,214	96	13.3
Fairmont	18,815	274	14.6
Grafton	5,182	55	10.6
Huntington	49,177	613	12.5
Hurricane	6,393	106	16.6
Keyser	5,310	72	13.6
Martinsburg	17,668	259	14.7
Morgantown	30,666	272	8.9
Moundsville	8,887	108	12.2
New Martinsville	5,294	51	9.6
Nitro	7,150	87	12.2
Oak Hill	8,273	85	10.3
Parkersburg	31,186	440	14.1
Point Pleasant	4,314	60	13.9
Princeton	6,441	106	16.5
Ranson	4,714	77	16.3
Saint Albans	10,950	143	13.1
South Charleston	13,471	169	12.5
Vienna	10,633	110	10.3
Weirton	19,525	178	9.1
Weston	4,104	64	15.6
Wheeling	28,009	295	10.5

\*Census Population Estimates for Incorporated Places in WV

Source: Population Division, U.S. Census Bureau - Release Date: July 1, 2013

West Virginia Bureau for Public Health

Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2013  
Table 67

Selected Causes of Death	Number and Rate by City					
	Beckley		Bluefield		Bridgeport	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	1	4.5	1	8.1	0	0.0
Total Deaths, All Causes	237	13.5	144	13.7	75	9.0
--Deaths Under One Year	2	9.0	0	0.0	0	0.0
--Deaths Under 28 Days	2	9.0	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	4	22.7	0	0.0	1	11.9
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	45	255.6	33	315.1	13	155.2
--of Digestive Organs	11	62.5	7	66.8	2	23.9
----Colon	5	28.4	4	38.2	1	11.9
----Pancreas	1	5.7	2	19.1	1	11.9
--of Respiratory and Intrathoracic Organs	16	90.9	13	124.1	3	35.8
----Trachea, Bronchus and Lung	14	79.5	12	114.6	3	35.8
--of Breast	2	11.4	1	9.5	0	0.0
--of Genitourinary Organs	5	28.4	5	47.7	3	35.8
----Cervix Uteri	0	0.0	0	0.0	1	11.9
----Ovary	0	0.0	0	0.0	1	11.9
----Prostate	2	11.4	3	28.6	1	11.9
----Bladder	1	5.7	1	9.5	0	0.0
--All Other (Malignant Neoplasms)	11	62.5	7	66.8	5	59.7
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	5.7	0	0.0	0	0.0
Diabetes Mellitus	9	51.1	4	38.2	1	11.9
Dementia	9	51.1	12	114.6	2	23.9
Alzheimer's Disease	2	11.4	3	28.6	4	47.8
Major Cardiovascular Disease	66	374.9	41	391.5	24	286.6
--Diseases of the Heart	52	295.3	33	315.1	19	226.9
----Ischemic Heart Disease	28	159.0	20	191.0	10	119.4
--Essential Hypertension and Hypertensive Renal Disease	1	5.7	1	9.5	2	23.9
--Cerebrovascular Diseases (Stroke)	11	62.5	4	38.2	2	23.9
--Arteriosclerosis	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	2	11.4	3	28.6	1	11.9
Influenza and Pneumonia	6	34.1	3	28.6	5	59.7
--Influenza	0	0.0	0	0.0	1	11.9
--Pneumonia	6	34.1	3	28.6	4	47.8
Chronic Lower Respiratory Diseases	10	56.8	12	114.6	3	35.8
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	0	0.0
Lung Diseases due to External Agents	5	28.4	0	0.0	0	0.0
--Coal Worker's Pneumoconiosis	2	11.4	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	5	28.4	2	19.1	3	35.8
Nephritis, Nephrotic Syndrome and Nephrosis	5	28.4	2	19.1	2	23.9
Congenital Malformations	2	11.4	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	7	39.8	4	38.2	2	23.9
Accidents, All Forms	15	85.2	6	57.3	7	83.6
--Motor Vehicle	3	17.0	1	9.5	3	35.8
--Falls	2	11.4	1	9.5	1	11.9
--Drownings	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0
--Poisonings	10	56.8	3	28.6	1	11.9
--Other Accidents	0	0.0	1	9.5	2	23.9
Intentional Self-Harm (Suicide)	2	11.4	3	28.6	1	11.9
Assault (Homicide)	4	22.7	1	9.5	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	5.7	0	0.0	0	0.0
All Other Causes (Residual)	39	221.5	18	171.9	7	83.6

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2013  
Table 67 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Buckhannon		Charles Town		Charleston	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	2	3.2
Total Deaths, All Causes	69	12.1	45	8.2	652	12.8
--Deaths Under One Year	0	0.0	1	11.9	3	4.9
--Deaths Under 28 Days	0	0.0	0	0.0	3	4.9
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	1	18.1	8	15.7
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	3	5.9
Malignant Neoplasms	14	246.3	7	126.9	133	261.7
--of Digestive Organs	2	35.2	0	0.0	31	61.0
----Colon	0	0.0	0	0.0	13	25.6
----Pancreas	0	0.0	0	0.0	6	11.8
--of Respiratory and Intrathoracic Organs	5	88.0	2	36.3	35	68.9
----Trachea, Bronchus and Lung	5	88.0	2	36.3	30	59.0
--of Breast	0	0.0	1	18.1	8	15.7
--of Genitourinary Organs	3	52.8	0	0.0	31	61.0
----Cervix Uteri	1	17.6	0	0.0	4	7.9
----Ovary	0	0.0	0	0.0	3	5.9
----Prostate	0	0.0	0	0.0	9	17.7
----Bladder	1	17.6	0	0.0	2	3.9
--All Other (Malignant Neoplasms)	4	70.4	4	72.5	28	55.1
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	1	2.0
Diabetes Mellitus	3	52.8	3	54.4	32	63.0
Dementia	4	70.4	4	72.5	53	104.3
Alzheimer's Disease	2	35.2	4	72.5	13	25.6
Major Cardiovascular Disease	20	351.9	13	235.7	188	369.9
--Diseases of the Heart	15	263.9	7	126.9	145	285.3
----Ischemic Heart Disease	10	176.0	1	18.1	88	173.2
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	2	36.3	8	15.7
--Cerebrovascular Diseases (Stroke)	4	70.4	2	36.3	31	61.0
--Arteriosclerosis	0	0.0	1	18.1	1	2.0
--Other Diseases of Arteries, Arterioles and Capillaries	1	17.6	1	18.1	3	5.9
Influenza and Pneumonia	3	52.8	0	0.0	10	19.7
--Influenza	0	0.0	0	0.0	0	0.0
--Pneumonia	3	52.8	0	0.0	10	19.7
Chronic Lower Respiratory Diseases	6	105.6	1	18.1	31	61.0
--Bronchitis, Emphysema and Asthma	1	17.6	1	18.1	3	5.9
Lung Diseases due to External Agents	0	0.0	2	36.3	1	2.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	17.6	3	54.4	9	17.7
Nephritis, Nephrotic Syndrome and Nephrosis	3	52.8	0	0.0	15	29.5
Congenital Malformations	0	0.0	0	0.0	1	2.0
Ill-Defined and Unknown Causes of Death	1	17.6	1	18.1	10	19.7
Accidents, All Forms	3	52.8	0	0.0	38	74.8
--Motor Vehicle	0	0.0	0	0.0	4	7.9
--Falls	1	17.6	0	0.0	10	19.7
--Drownings	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0
--Poisonings	2	35.2	0	0.0	22	43.3
--Other Accidents	0	0.0	0	0.0	2	3.9
Intentional Self-Harm (Suicide)	1	17.6	0	0.0	13	25.6
Assault (Homicide)	0	0.0	0	0.0	3	5.9
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	1	2.0
All Other Causes (Residual)	8	140.8	6	108.8	89	175.1

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2013  
Table 67 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Clarksburg		Dunbar		Elkins	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	3	12.0	0	0.0	0	0.0
Total Deaths, All Causes	250	15.3	114	14.5	103	14.3
--Deaths Under One Year	2	8.0	2	19.8	1	10.4
--Deaths Under 28 Days	2	8.0	0	0.0	1	10.4
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	1	6.1	2	25.5	1	13.9
Human Immunodeficiency Virus Infection	1	6.1	0	0.0	0	0.0
Malignant Neoplasms	48	293.4	22	280.7	18	249.5
--of Digestive Organs	7	42.8	6	76.6	3	41.6
----Colon	5	30.6	2	25.5	2	27.7
----Pancreas	1	6.1	2	25.5	0	0.0
--of Respiratory and Intrathoracic Organs	14	85.6	11	140.3	8	110.9
----Trachea, Bronchus and Lung	14	85.6	11	140.3	8	110.9
--of Breast	2	12.2	0	0.0	0	0.0
--of Genitourinary Organs	12	73.3	0	0.0	1	13.9
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	1	6.1	0	0.0	0	0.0
----Prostate	6	36.7	0	0.0	0	0.0
----Bladder	2	12.2	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	13	79.5	5	63.8	6	83.2
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	2	12.2	0	0.0	1	13.9
Diabetes Mellitus	5	30.6	1	12.8	3	41.6
Dementia	7	42.8	9	114.8	3	41.6
Alzheimer's Disease	9	55.0	5	63.8	6	83.2
Major Cardiovascular Disease	67	409.5	31	395.5	34	471.3
--Diseases of the Heart	50	305.6	17	216.9	27	374.3
----Ischemic Heart Disease	27	165.0	13	165.9	16	221.8
--Essential Hypertension and Hypertensive Renal Disease	4	24.4	5	63.8	0	0.0
--Cerebrovascular Diseases (Stroke)	11	67.2	8	102.1	7	97.0
--Arteriosclerosis	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	2	12.2	1	12.8	0	0.0
Influenza and Pneumonia	7	42.8	2	25.5	0	0.0
--Influenza	0	0.0	0	0.0	0	0.0
--Pneumonia	7	42.8	2	25.5	0	0.0
Chronic Lower Respiratory Diseases	17	103.9	10	127.6	6	83.2
--Bronchitis, Emphysema and Asthma	2	12.2	0	0.0	0	0.0
Lung Diseases due to External Agents	2	12.2	2	25.5	1	13.9
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	4	24.4	1	12.8	3	41.6
Nephritis, Nephrotic Syndrome and Nephrosis	6	36.7	4	51.0	1	13.9
Congenital Malformations	1	6.1	2	25.5	0	0.0
Ill-Defined and Unknown Causes of Death	3	18.3	1	12.8	4	55.4
Accidents, All Forms	26	158.9	8	102.1	11	152.5
--Motor Vehicle	6	36.7	2	25.5	2	27.7
--Falls	4	24.4	2	25.5	1	13.9
--Drownings	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	1	6.1	0	0.0	4	55.4
--Poisonings	11	67.2	3	38.3	3	41.6
--Other Accidents	4	24.4	1	12.8	1	13.9
Intentional Self-Harm (Suicide)	3	18.3	1	12.8	3	41.6
Assault (Homicide)	2	12.2	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	39	238.4	13	165.9	8	110.9

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2013  
Table 67 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Fairmont		Grafton		Huntington	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	3	10.9	0	0.0	4	6.5
Total Deaths, All Causes	242	12.9	68	13.1	683	13.9
--Deaths Under One Year	2	7.3	0	0.0	5	8.2
--Deaths Under 28 Days	1	3.6	0	0.0	3	4.9
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	2	10.6	0	0.0	7	14.2
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	2	4.1
Malignant Neoplasms	40	212.6	12	231.6	127	258.3
--of Digestive Organs	8	42.5	5	96.5	33	67.1
----Colon	2	10.6	1	19.3	17	34.6
----Pancreas	4	21.3	0	0.0	7	14.2
--of Respiratory and Intrathoracic Organs	14	74.4	4	77.2	43	87.4
----Trachea, Bronchus and Lung	12	63.8	4	77.2	39	79.3
--of Breast	1	5.3	0	0.0	10	20.3
--of Genitourinary Organs	2	10.6	0	0.0	17	34.6
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	0	0.0	1	2.0
----Prostate	0	0.0	0	0.0	5	10.2
----Bladder	2	10.6	0	0.0	3	6.1
--All Other (Malignant Neoplasms)	15	79.7	3	57.9	24	48.8
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	5.3	1	19.3	3	6.1
Diabetes Mellitus	9	47.8	6	115.8	26	52.9
Dementia	21	111.6	2	38.6	49	99.6
Alzheimer's Disease	5	26.6	1	19.3	26	52.9
Major Cardiovascular Disease	81	430.5	17	328.1	181	368.1
--Diseases of the Heart	60	318.9	9	173.7	123	250.1
----Ischemic Heart Disease	44	233.9	5	96.5	83	168.8
--Essential Hypertension and Hypertensive Renal Disease	4	21.3	0	0.0	9	18.3
--Cerebrovascular Diseases (Stroke)	10	53.1	2	38.6	42	85.4
--Arteriosclerosis	3	15.9	5	96.5	1	2.0
--Other Diseases of Arteries, Arterioles and Capillaries	4	21.3	1	19.3	6	12.2
Influenza and Pneumonia	2	10.6	1	19.3	14	28.5
--Influenza	0	0.0	0	0.0	0	0.0
--Pneumonia	2	10.6	1	19.3	14	28.5
Chronic Lower Respiratory Diseases	22	116.9	9	173.7	53	107.8
--Bronchitis, Emphysema and Asthma	2	10.6	0	0.0	3	6.1
Lung Diseases due to External Agents	1	5.3	1	19.3	4	8.1
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	2	10.6	3	57.9	6	12.2
Nephritis, Nephrotic Syndrome and Nephrosis	6	31.9	1	19.3	14	28.5
Congenital Malformations	2	10.6	0	0.0	3	6.1
Ill-Defined and Unknown Causes of Death	0	0.0	0	0.0	12	24.4
Accidents, All Forms	14	74.4	3	57.9	58	117.9
--Motor Vehicle	4	21.3	1	19.3	6	12.2
--Falls	3	15.9	0	0.0	8	16.3
--Drownings	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	1	2.0
--Poisonings	2	10.6	2	38.6	37	75.2
--Other Accidents	5	26.6	0	0.0	6	12.2
Intentional Self-Harm (Suicide)	4	21.3	0	0.0	6	12.2
Assault (Homicide)	1	5.3	0	0.0	5	10.2
Injury Undetermined Whether Accidental or Purposely Inflicted	1	5.3	0	0.0	0	0.0
All Other Causes (Residual)	28	148.8	11	212.3	87	176.9

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2013  
Table 67 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Hurricane		Keyser		Martinsburg	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	2	7.7
Total Deaths, All Causes	61	9.5	81	15.3	219	12.4
--Deaths Under One Year	2	18.9	2	27.8	3	11.6
--Deaths Under 28 Days	2	18.9	1	13.9	2	7.7
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	0	0.0	3	17.0
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	14	219.0	14	263.7	37	209.4
--of Digestive Organs	3	46.9	2	37.7	11	62.3
----Colon	0	0.0	0	0.0	5	28.3
----Pancreas	0	0.0	2	37.7	2	11.3
--of Respiratory and Intrathoracic Organs	4	62.6	6	113.0	16	90.6
----Trachea, Bronchus and Lung	4	62.6	6	113.0	16	90.6
--of Breast	1	15.6	0	0.0	3	17.0
--of Genitourinary Organs	1	15.6	2	37.7	1	5.7
----Cervix Uteri	0	0.0	1	18.8	1	5.7
----Ovary	1	15.6	1	18.8	0	0.0
----Prostate	0	0.0	0	0.0	0	0.0
----Bladder	0	0.0	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	5	78.2	4	75.3	6	34.0
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	3	17.0
Diabetes Mellitus	4	62.6	2	37.7	13	73.6
Dementia	3	46.9	4	75.3	10	56.6
Alzheimer's Disease	1	15.6	5	94.2	6	34.0
Major Cardiovascular Disease	20	312.8	22	414.3	56	317.0
--Diseases of the Heart	13	203.3	16	301.3	44	249.0
----Ischemic Heart Disease	10	156.4	8	150.7	24	135.8
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	2	37.7	5	28.3
--Cerebrovascular Diseases (Stroke)	7	109.5	2	37.7	5	28.3
--Arteriosclerosis	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	2	37.7	2	11.3
Influenza and Pneumonia	1	15.6	4	75.3	5	28.3
--Influenza	0	0.0	0	0.0	1	5.7
--Pneumonia	1	15.6	4	75.3	4	22.6
Chronic Lower Respiratory Diseases	2	31.3	7	131.8	14	79.2
--Bronchitis, Emphysema and Asthma	0	0.0	1	18.8	1	5.7
Lung Diseases due to External Agents	0	0.0	1	18.8	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	15.6	1	18.8	1	5.7
Nephritis, Nephrotic Syndrome and Nephrosis	2	31.3	6	113.0	4	22.6
Congenital Malformations	1	15.6	0	0.0	3	17.0
Ill-Defined and Unknown Causes of Death	1	15.6	0	0.0	6	34.0
Accidents, All Forms	2	31.3	3	56.5	31	175.5
--Motor Vehicle	0	0.0	0	0.0	4	22.6
--Falls	0	0.0	0	0.0	8	45.3
--Drownings	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0
--Poisonings	1	15.6	2	37.7	16	90.6
--Other Accidents	1	15.6	1	18.8	3	17.0
Intentional Self-Harm (Suicide)	2	31.3	1	18.8	3	17.0
Assault (Homicide)	0	0.0	0	0.0	2	11.3
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	0	0.0
All Other Causes (Residual)	7	109.5	11	207.2	22	124.5

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2013  
Table 67 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Morgantown		Moundsville		New Martinsville	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	3	11.0	0	0.0	0	0.0
Total Deaths, All Causes	181	5.9	143	16.1	75	14.2
--Deaths Under One Year	3	11.0	1	9.3	0	0.0
--Deaths Under 28 Days	2	7.4	0	0.0	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	4	13.0	2	22.5	1	18.9
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	36	117.4	22	247.6	18	340.0
--of Digestive Organs	13	42.4	6	67.5	1	18.9
----Colon	7	22.8	0	0.0	1	18.9
----Pancreas	3	9.8	3	33.8	0	0.0
--of Respiratory and Intrathoracic Organs	6	19.6	7	78.8	6	113.3
----Trachea, Bronchus and Lung	5	16.3	7	78.8	6	113.3
--of Breast	2	6.5	1	11.3	2	37.8
--of Genitourinary Organs	6	19.6	3	33.8	3	56.7
----Cervix Uteri	0	0.0	0	0.0	1	18.9
----Ovary	0	0.0	0	0.0	0	0.0
----Prostate	1	3.3	0	0.0	0	0.0
----Bladder	2	6.5	2	22.5	0	0.0
--All Other (Malignant Neoplasms)	9	29.3	5	56.3	6	113.3
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	3.3	0	0.0	1	18.9
Diabetes Mellitus	4	13.0	6	67.5	3	56.7
Dementia	11	35.9	6	67.5	1	18.9
Alzheimer's Disease	7	22.8	4	45.0	4	75.6
Major Cardiovascular Disease	69	225.0	36	405.1	22	415.6
--Diseases of the Heart	50	163.0	29	326.3	18	340.0
----Ischemic Heart Disease	33	107.6	24	270.1	11	207.8
--Essential Hypertension and Hypertensive Renal Disease	5	16.3	2	22.5	1	18.9
--Cerebrovascular Diseases (Stroke)	14	45.7	5	56.3	2	37.8
--Arteriosclerosis	0	0.0	0	0.0	0	0.0
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	0	0.0	1	18.9
Influenza and Pneumonia	1	3.3	11	123.8	2	37.8
--Influenza	0	0.0	0	0.0	0	0.0
--Pneumonia	1	3.3	11	123.8	2	37.8
Chronic Lower Respiratory Diseases	9	29.3	14	157.5	3	56.7
--Bronchitis, Emphysema and Asthma	1	3.3	1	11.3	1	18.9
Lung Diseases due to External Agents	2	6.5	1	11.3	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	3	9.8	3	33.8	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	3	9.8	3	33.8	4	75.6
Congenital Malformations	1	3.3	0	0.0	0	0.0
Ill-Defined and Unknown Causes of Death	3	9.8	2	22.5	1	18.9
Accidents, All Forms	7	22.8	6	67.5	2	37.8
--Motor Vehicle	1	3.3	1	11.3	0	0.0
--Falls	3	9.8	3	33.8	0	0.0
--Drownings	1	3.3	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0
--Poisonings	0	0.0	2	22.5	2	37.8
--Other Accidents	2	6.5	0	0.0	0	0.0
Intentional Self-Harm (Suicide)	1	3.3	5	56.3	2	37.8
Assault (Homicide)	0	0.0	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	3.3	0	0.0	0	0.0
All Other Causes (Residual)	18	58.7	22	247.6	11	207.8

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2013  
Table 67 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Nitro		Oak Hill		Parkersburg	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	3	6.8
Total Deaths, All Causes	98	13.7	134	16.2	464	14.9
--Deaths Under One Year	0	0.0	0	0.0	5	11.4
--Deaths Under 28 Days	0	0.0	0	0.0	3	6.8
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	1	14.0	2	24.2	9	28.9
Human Immunodeficiency Virus Infection	0	0.0	1	12.1	1	3.2
Malignant Neoplasms	21	293.7	26	314.3	83	266.1
--of Digestive Organs	7	97.9	7	84.6	22	70.5
----Colon	3	42.0	3	36.3	10	32.1
----Pancreas	1	14.0	1	12.1	3	9.6
--of Respiratory and Intrathoracic Organs	8	111.9	7	84.6	24	77.0
----Trachea, Bronchus and Lung	7	97.9	7	84.6	23	73.8
--of Breast	1	14.0	1	12.1	2	6.4
--of Genitourinary Organs	1	14.0	3	36.3	15	48.1
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	0	0.0	0	0.0	2	6.4
----Prostate	0	0.0	2	24.2	3	9.6
----Bladder	1	14.0	0	0.0	2	6.4
--All Other (Malignant Neoplasms)	4	55.9	8	96.7	20	64.1
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	7	22.4
Diabetes Mellitus	6	83.9	1	12.1	23	73.8
Dementia	7	97.9	14	169.2	10	32.1
Alzheimer's Disease	2	28.0	1	12.1	15	48.1
Major Cardiovascular Disease	19	265.7	43	519.8	164	525.9
--Diseases of the Heart	14	195.8	34	411.0	124	397.6
----Ischemic Heart Disease	10	139.9	21	253.8	66	211.6
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	3	36.3	4	12.8
--Cerebrovascular Diseases (Stroke)	5	69.9	6	72.5	28	89.8
--Arteriosclerosis	0	0.0	0	0.0	6	19.2
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	0	0.0	2	6.4
Influenza and Pneumonia	0	0.0	3	36.3	9	28.9
--Influenza	0	0.0	0	0.0	0	0.0
--Pneumonia	0	0.0	3	36.3	9	28.9
Chronic Lower Respiratory Diseases	12	167.8	7	84.6	28	89.8
--Bronchitis, Emphysema and Asthma	2	28.0	0	0.0	0	0.0
Lung Diseases due to External Agents	0	0.0	0	0.0	4	12.8
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	14.0	1	12.1	8	25.7
Nephritis, Nephrotic Syndrome and Nephrosis	9	125.9	4	48.4	7	22.4
Congenital Malformations	0	0.0	0	0.0	2	6.4
Ill-Defined and Unknown Causes of Death	1	14.0	3	36.3	4	12.8
Accidents, All Forms	8	111.9	11	133.0	17	54.5
--Motor Vehicle	1	14.0	3	36.3	2	6.4
--Falls	5	69.9	1	12.1	3	9.6
--Drownings	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0
--Poisonings	1	14.0	7	84.6	8	25.7
--Other Accidents	1	14.0	0	0.0	4	12.8
Intentional Self-Harm (Suicide)	2	28.0	1	12.1	10	32.1
Assault (Homicide)	0	0.0	1	12.1	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	14.0	0	0.0	1	3.2
All Other Causes (Residual)	8	111.9	15	181.3	62	198.8

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Death: Number and Rate\* by City  
West Virginia, 2013  
Table 67 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Point Pleasant		Princeton		Ranson	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	0	0.0
Total Deaths, All Causes	68	15.8	122	18.9	30	6.4
--Deaths Under One Year	0	0.0	3	28.3	0	0.0
--Deaths Under 28 Days	0	0.0	1	9.4	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	0	0.0	2	31.1	1	21.2
Human Immunodeficiency Virus Infection	0	0.0	1	15.5	0	0.0
Malignant Neoplasms	11	255.0	18	279.5	7	148.5
--of Digestive Organs	2	46.4	2	31.1	1	21.2
----Colon	0	0.0	1	15.5	1	21.2
----Pancreas	0	0.0	0	0.0	0	0.0
--of Respiratory and Intrathoracic Organs	4	92.7	6	93.2	3	63.6
----Trachea, Bronchus and Lung	4	92.7	5	77.6	3	63.6
--of Breast	0	0.0	2	31.1	0	0.0
--of Genitourinary Organs	3	69.5	0	0.0	0	0.0
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	1	23.2	0	0.0	0	0.0
----Prostate	0	0.0	0	0.0	0	0.0
----Bladder	0	0.0	0	0.0	0	0.0
--All Other (Malignant Neoplasms)	2	46.4	8	124.2	3	63.6
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	0	0.0	0	0.0
Diabetes Mellitus	3	69.5	5	77.6	0	0.0
Dementia	5	115.9	15	232.9	1	21.2
Alzheimer's Disease	6	139.1	2	31.1	2	42.4
Major Cardiovascular Disease	19	440.4	34	527.9	11	233.3
--Diseases of the Heart	15	347.7	25	388.1	7	148.5
----Ischemic Heart Disease	10	231.8	13	201.8	3	63.6
--Essential Hypertension and Hypertensive Renal Disease	1	23.2	1	15.5	1	21.2
--Cerebrovascular Diseases (Stroke)	3	69.5	6	93.2	1	21.2
--Arteriosclerosis	0	0.0	0	0.0	1	21.2
--Other Diseases of Arteries, Arterioles and Capillaries	0	0.0	2	31.1	1	21.2
Influenza and Pneumonia	2	46.4	6	93.2	0	0.0
--Influenza	0	0.0	0	0.0	0	0.0
--Pneumonia	2	46.4	6	93.2	0	0.0
Chronic Lower Respiratory Diseases	7	162.3	7	108.7	2	42.4
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	0	0.0
Lung Diseases due to External Agents	1	23.2	2	31.1	0	0.0
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	23.2	4	62.1	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	2	46.4	2	31.1	1	21.2
Congenital Malformations	1	23.2	1	15.5	0	0.0
Ill-Defined and Unknown Causes of Death	0	0.0	4	62.1	0	0.0
Accidents, All Forms	3	69.5	5	77.6	2	42.4
--Motor Vehicle	1	23.2	0	0.0	0	0.0
--Falls	0	0.0	1	15.5	0	0.0
--Drownings	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0
--Poisonings	2	46.4	3	46.6	2	42.4
--Other Accidents	0	0.0	1	15.5	0	0.0
Intentional Self-Harm (Suicide)	0	0.0	0	0.0	0	0.0
Assault (Homicide)	0	0.0	1	15.5	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	23.2	0	0.0	0	0.0
All Other Causes (Residual)	6	139.1	13	201.8	3	63.6

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2013  
Table 67 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Saint Albans		South Charleston		Vienna	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	1	9.1
Total Deaths, All Causes	172	15.7	177	13.1	132	12.4
--Deaths Under One Year	0	0.0	1	5.9	0	0.0
--Deaths Under 28 Days	0	0.0	1	5.9	0	0.0
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	6	54.8	6	44.5	2	18.8
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	27	246.6	46	341.5	29	272.7
--of Digestive Organs	4	36.5	15	111.4	6	56.4
----Colon	2	18.3	4	29.7	3	28.2
----Pancreas	1	9.1	6	44.5	3	28.2
--of Respiratory and Intrathoracic Organs	9	82.2	10	74.2	7	65.8
----Trachea, Bronchus and Lung	9	82.2	9	66.8	7	65.8
--Of Breast	2	18.3	1	7.4	1	9.4
--of Genitourinary Organs	8	73.1	8	59.4	8	75.2
----Cervix Uteri	0	0.0	0	0.0	0	0.0
----Ovary	1	9.1	2	14.8	1	9.4
----Prostate	3	27.4	1	7.4	3	28.2
----Bladder	0	0.0	5	37.1	3	28.2
--All Other (Malignant Neoplasms)	4	36.5	12	89.1	7	65.8
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	0	0.0	1	7.4	0	0.0
Diabetes Mellitus	7	63.9	6	44.5	2	18.8
Dementia	15	137.0	13	96.5	8	75.2
Alzheimer's Disease	8	73.1	1	7.4	4	37.6
Major Cardiovascular Disease	47	429.2	39	289.5	44	413.8
--Diseases of the Heart	30	274.0	24	178.2	31	291.5
----Ischemic Heart Disease	18	164.4	17	126.2	18	169.3
--Essential Hypertension and Hypertensive Renal Disease	8	73.1	4	29.7	4	37.6
--Cerebrovascular Diseases (Stroke)	8	73.1	10	74.2	8	75.2
--Arteriosclerosis	0	0.0	0	0.0	1	9.4
--Other Diseases of Arteries, Arterioles and Capillaries	1	9.1	1	7.4	0	0.0
Influenza and Pneumonia	1	9.1	3	22.3	2	18.8
--Influenza	0	0.0	1	7.4	0	0.0
--Pneumonia	1	9.1	2	14.8	2	18.8
Chronic Lower Respiratory Diseases	14	127.9	17	126.2	7	65.8
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	1	9.4
Lung Diseases due to External Agents	1	9.1	4	29.7	1	9.4
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	3	27.4	0	0.0	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis	9	82.2	4	29.7	4	37.6
Congenital Malformations	0	0.0	1	7.4	1	9.4
Ill-Defined and Unknown Causes of Death	4	36.5	1	7.4	0	0.0
Accidents, All Forms	6	54.8	10	74.2	6	56.4
--Motor Vehicle	0	0.0	3	22.3	2	18.8
--Falls	2	18.3	4	29.7	3	28.2
--Drownings	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	0	0.0
--Poisonings	4	36.5	3	22.3	1	9.4
--Other Accidents	0	0.0	0	0.0	0	0.0
Intentional Self-Harm (Suicide)	2	18.3	2	14.8	3	28.2
Assault (Homicide)	0	0.0	1	7.4	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	0	0.0	0	0.0	1	9.4
All Other Causes (Residual)	22	200.9	22	163.3	18	169.3

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.

West Virginia Bureau for Public Health  
Health Statistics Center, 2016

Selected Causes of Resident Deaths: Number and Rate\* by City  
West Virginia, 2013  
Table 67 (Cont'd)

Selected Causes of Death	Number and Rate by City					
	Weirton		Weston		Wheeling	
	Number	Rate	Number	Rate	Number	Rate
Fetal Deaths	0	0.0	0	0.0	1	3.4
Total Deaths, All Causes	256	13.1	56	13.6	402	14.4
--Deaths Under One Year	1	5.6	0	0.0	1	3.4
--Deaths Under 28 Days	0	0.0	0	0.0	1	3.4
Tuberculosis	0	0.0	0	0.0	0	0.0
Septicemia	3	15.4	0	0.0	3	10.7
Human Immunodeficiency Virus Infection	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	49	251.0	10	243.7	82	292.8
--of Digestive Organs	9	46.1	1	24.4	18	64.3
----Colon	3	15.4	0	0.0	4	14.3
----Pancreas	1	5.1	1	24.4	9	32.1
--of Respiratory and Intrathoracic Organs	20	102.4	3	73.1	24	85.7
----Trachea, Bronchus and Lung	20	102.4	3	73.1	23	82.1
--of Breast	1	5.1	2	48.7	11	39.3
--of Genitourinary Organs	11	56.3	1	24.4	10	35.7
----Cervix Uteri	1	5.1	0	0.0	0	0.0
----Ovary	1	5.1	1	24.4	2	7.1
----Prostate	4	20.5	0	0.0	3	10.7
----Bladder	2	10.2	0	0.0	3	10.7
--All Other (Malignant Neoplasms)	8	41.0	3	73.1	19	67.8
Benign Neoplasms, Carcinoma in Situ and Unspecified Neoplasms	1	5.1	0	0.0	2	7.1
Diabetes Mellitus	6	30.7	4	97.5	12	42.8
Dementia	16	81.9	1	24.4	30	107.1
Alzheimer's Disease	5	25.6	1	24.4	17	60.7
Major Cardiovascular Disease	91	466.1	16	389.9	112	399.9
--Diseases of the Heart	73	373.9	13	316.8	72	257.1
----Ischemic Heart Disease	42	215.1	9	219.3	42	150.0
--Essential Hypertension and Hypertensive Renal Disease	0	0.0	1	24.4	7	25.0
--Cerebrovascular Diseases (Stroke)	16	81.9	2	48.7	25	89.3
--Arteriosclerosis	0	0.0	0	0.0	1	3.6
--Other Diseases of Arteries, Arterioles and Capillaries	2	10.2	0	0.0	7	25.0
Influenza and Pneumonia	12	61.5	2	48.7	22	78.5
--Influenza	0	0.0	0	0.0	0	0.0
--Pneumonia	12	61.5	2	48.7	22	78.5
Chronic Lower Respiratory Diseases	11	56.3	5	121.8	28	100.0
--Bronchitis, Emphysema and Asthma	0	0.0	0	0.0	3	10.7
Lung Diseases due to External Agents	0	0.0	0	0.0	4	14.3
--Coal Worker's Pneumoconiosis	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	1	5.1	0	0.0	3	10.7
Nephritis, Nephrotic Syndrome and Nephrosis	6	30.7	2	48.7	8	28.6
Congenital Malformations	0	0.0	0	0.0	1	3.6
Ill-Defined and Unknown Causes of Death	11	56.3	0	0.0	5	17.9
Accidents, All Forms	16	81.9	2	48.7	20	71.4
--Motor Vehicle	3	15.4	1	24.4	2	7.1
--Falls	2	10.2	0	0.0	8	28.6
--Drownings	0	0.0	0	0.0	0	0.0
--Smoke, Fires and Flames	0	0.0	0	0.0	1	3.6
--Poisonings	11	56.3	1	24.4	6	21.4
--Other Accidents	0	0.0	0	0.0	3	10.7
Intentional Self-Harm (Suicide)	2	10.2	0	0.0	4	14.3
Assault (Homicide)	2	10.2	0	0.0	0	0.0
Injury Undetermined Whether Accidental or Purposely Inflicted	1	5.1	1	24.4	1	3.6
All Other Causes (Residual)	23	117.8	12	292.4	48	171.4

\*Rates for total deaths are per 1,000 population. Rates for fetal deaths, deaths under 1 year and deaths under 28 days are per 1,000 live births. All other rates are per 100,000 population unless otherwise noted.  
West Virginia Bureau for Public Health  
Health Statistics Center, 2016





West Virginia Vital Statistics

**Appendix A:**  
**ICD-10 Codes**



## Appendix A Groupings of ICD-10 Codes

<u>ICD-10 Code</u>	<u>Selected Cause</u>
A15-A19	Tuberculosis
A40-A41	Septicemia
B20-B24	Human Immunodeficiency Virus Infection
C00-C97	Malignant Neoplasms
C15-C26	====of Digestive Organs
C18	=====of Colon
C25	=====of Pancreas
C30-C39	====of Respiratory and Intrathoracic Organs
C33-C34	=====Trachea, Bronchus and Lung
C50	==of Breast
C51-C68	==of Genitourinary Organs
C53	=====Cervix Uteri
C56	=====Ovary
C61	=====Prostate
C67	=====Bladder
	====All Other (Malignant Neoplasms)
D00-D48	Benign Neoplasms, Carcinoma in Situ and Neoplasms of Unspecified Nature
E10-E14	Diabetes Mellitus
F01, F03	Dementia
G30	Alzheimer's Disease
I00-I78	Major Cardiovascular Diseases
I00-I09, I11, I13,	
I20-I51	====Diseases of the Heart
I20-I25	=====Ischemic Heart Disease
I10, I12	====Essential Hypertension and Hypertensive Renal Disease
I60-I69	====Cerebrovascular Disease
I70	====Arteriosclerosis
I71-I78	====Other Diseases of the Arteries, Arterioles and Capillaries
J09-J18	Influenza and Pneumonia
J09-J11	====Influenza
J12-J18	====Pneumonia
J40-J47	Chronic Lower Respiratory Diseases
J40-J43, J45-J46	====Bronchitis, Emphysema and Asthma
J60-J70	Lung Diseases Due to External Agents
J60	====Coal Worker's Pneumoconiosis
K70, K73-K74	Chronic Liver Disease and Cirrhosis
N00-N07, N17-N19,	
N25-N27	Nephritis, Nephrotic Syndrome and Nephrosis
Q00-Q99	Congenital Malformations, Deformations and Chromosomal Abnormalities
R95-R99	Ill-Defined and Unknown Causes of Death
V01-X59,	
Y85-Y86	Accidents
V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2, V19.4-V19.6,V20-V79,	
V80.3-V80.5,V81.0-V81.1,V82.0-V82.1,V83-V86,V87.0-V87.8, V88.0-V88.8,	
V89.0,V89.2	====Motor Vehicle
W00-W19	====Falls
X00-X09	====Smoke, Fire and Flames
W65-W74	====Drownings
X40-X49	====Poisonings
	====All Other (Accidents)
X60-X84, Y87.0	Intentional Self-Harm (Suicide)
X85-Y09, Y87.1	Assault (Homicide)
Y10-Y34, Y87.2	Injury Undetermined Whether Accidentally or Purposely Inflicted
	All Other Causes (Residual)





West Virginia Vital Statistics

**Appendix B:**  
**Methodology,**  
**Rates/Ratios**  
**and Definitions**



## Appendix B Methodology

Data used to prepare this report are taken from birth and death certificates, fetal death reports, marriage applications, divorce reports, Induced Terminations of Pregnancy (ITOP) and paternity affidavits occurring in calendar year 2013 and filed in the state office of vital statistics prior to February 18, 2015. Vital events occurring to West Virginia residents in other states and tabulated by June 1, 2015, are also included in totals by residence.

### Place of Residence vs. Place of Occurrence

Data on vital events can be reported in two ways: by county of residence or by county of occurrence. For example, 140 births occurred within the geographic confines of Mason County of which only so many were to mothers who reside in Mason County; the remainder resides in other counties or states. Resident births for the county for 2013 totaled 282, which include 61 births that occurred in Mason County and 221 births to Mason County residents that occurred elsewhere. With the exception of Tables 11, 12, 13, 14, 16, 46 and Exhibit 9, natality data presented in this report are based on place of residence, and resident populations are used to calculate rates.

With the exception of Table 19 and the second page of Table 54, mortality data are similarly reported by place of residence.

### Statistical Variation

All statistics contain variations that are the result of chance, error, or omission. This characteristic is of particular importance in classifications of events with small numbers in which small variations are proportionately large in relation to base figures. For example, small changes in the number of deaths or births in small population areas or in the number of deaths from uncommon causes could result in large changes in the respective rates. For this reason, rates for counties with small populations or other small bases should be used with caution.

Table 31 presents the number of infant deaths by race of mother, while the table on page 76 in the summary has the number of infant deaths by race of infant.

### Geographic Classification

The county has been used as the basic unit of tabulation throughout this report. Data have also been supplied for public health management districts and for the total state. In some instances, data have been supplied for individual cities.

## Cause of Death Classification

The cause of death is coded from information contained in the medical certification section of the death certificate. This portion of the certificate is completed by the attending physician. In the case of unattended death, the medical examiner is responsible for investigation and certification.

Effective in 1999, the National Center for Health Statistics and the World Health Organization adopted the *Tenth Revision of the International Classification of Diseases Adapted for Use in the United States, 1999 (ICD-10)*. The deaths with codes A00 through T98 and Z00-Z99 were coded using the “nature of injury” causes, while those with codes V01 through Y98 were coded using the “external cause” of death. The external codes are used to indicate a death due to an external rather than an internal cause.

In several tables, individual causes of death have been grouped into important selected causes of death. See Appendix A, Page 163, “Groupings of ICD-10 Codes,” for a listing of the selected causes of death.

## Population

The rates given in this publication were calculated using the 2013 population estimated figures from the U.S. Department of Commerce, Bureau of the Census. This can be found on the Internet at <http://www.census.gov/popest/data/index.html>, and then go to American FactFinder which is where detailed population figures are stored.

## Forms

The following is a list of the certificates and forms used in obtaining the data used in this publication.

- Certificate of Live Birth
- Physician’s/Medical Examiner’s Certificate of Death
- Report of Fetal Death
- Application for Marriage License
- Monthly Report of Divorces and Annulments of Marriages Granted
- Induced Termination of Pregnancy (ITOP)
- Declaration of Paternity Affidavit

Suggestions and comments on alternate methods of data presentation are welcome. Forward any suggestions to the following address:

West Virginia Department of Health and Human Resources  
Bureau for Public Health  
Health Statistics Center  
350 Capitol Street, Room 165  
Charleston, WV 25301-3701  
Telephone: (304) 558-9100  
FAX: (304) 558-1787  
E-Mail: [dhhrvitalreg@wv.gov](mailto:dhhrvitalreg@wv.gov)

## Rates and Ratios

The impact of variation must be considered in evaluating categories with small frequencies. For example, a small change in the number of infant deaths in a county can disproportionately affect the infant mortality rate for that county. Therefore, rates for cities and counties require special consideration. State rates with larger frequencies provide more accurate data overall.

Rates used in this report are calculated with the estimated 2012 population figures from the U.S. Department of Commerce, Bureau of the Census.

Birth Rate (Crude) =	$\frac{\text{Number of live births}}{\text{Population}}$	X	1,000
Fertility Rate =	$\frac{\text{Number of live births to women aged 15-44}}{\text{Number of women aged 15-44}}$	X	1,000
Teenage Fertility Rate =	$\frac{\text{Number of live births to women aged 15-19}}{\text{Number of women aged 15-19}}$	X	1,000
Death Rate (Crude) =	$\frac{\text{Number of deaths}}{\text{Population}}$	X	1,000
Cause of Death Rate =	$\frac{\text{Number of deaths from a stated cause}}{\text{Population}}$	X	100,000
Infant Death Rate =	$\frac{\text{Number of infant deaths}}{\text{Number of live births}}$	X	1,000
Neonatal Death Rate =	$\frac{\text{Number of neonatal deaths}}{\text{Number of live births}}$	X	1,000
Fetal Death Ratio =	$\frac{\text{Number of fetal deaths}}{\text{Number of live births}}$	X	1,000
Maternal Death Rate =	$\frac{\text{Number of maternal deaths}}{\text{Number of live births}}$	X	100,000

## Definitions

Birthweight - The weight of the fetus or infant at the time of delivery.

Cause of Death - The underlying cause of death/condition giving rise to the chain of events leading to death.

Fetal Death (Stillbirth) - Death prior to the complete expulsion or extraction from its mother of a product of conception weighing at least 350 grams or more or having passed through at least the 20th week of gestation if the weight is unknown.

Induced Termination of Pregnancy (ITOP) - The purposeful interruption of an intrauterine pregnancy with the intention other than to produce a live-born infant that does not result in live birth. This excludes management of prolonged retention of products of conception following fetal death.

Infant Death - The death of a live-born infant before one year of age.

Live Birth - A live birth is the complete expulsion or extraction from its mother of a result of conception, irrespective of the duration of pregnancy, which, after such separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of umbilical cord, or definite movement of voluntary muscles.

Low Birthweight - A weight at birth of less than 2,500 grams or 5 lbs., 8 oz.

Maternal Death – For the purpose of this publication, it is the death of a woman while pregnant or within 42 days of termination of pregnancy. This is irrespective of the duration and site of the pregnancy or its management but not from accidental or incidental causes. ICD-10 codes A34, O00-O95, O98-O99.

Neonatal Death - The death of a live-born infant that occurs within the first 27 days of life.

Occurrence Data - Vital statistics compiled on the basis of where the vital event actually occurred.

Paternity Affidavit- A legal document signed by both parents declaring the paternity of their child.

Postneonatal Death - The death of a live-born infant that occurs after the 27th day of life but before one year of age.

Residence Data – Vital statistics compiled on the basis of the usual place of residence of the person(s) to whom the vital event occurred. For births and fetal deaths, residence is defined as the mother's usual place of residence.

Unemancipated Minor – For the purpose of this publication and reporting of Induced Termination of Pregnancy (ITOP), any person under the age of 18 years who has not graduated from high school and is neither married nor who has been otherwise emancipated.





West Virginia Vital Statistics

**Appendix C:**

**Grams Conversion**



### Appendix C

#### Converting Pounds/Ounces into Grams

Pounds	Ounces															
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0	-----	28	57	85	113	142	170	198	227	255	284	312	340	369	397	425
1	454	482	510	539	567	595	624	652	680	709	737	765	794	822	851	879
2	907	936	964	992	1,021	1,049	1,077	1,105	1,134	1,162	1,191	1,219	1,247	1,276	1,304	1,332
3	1,361	1,389	1,418	1,446	1,474	1,503	1,531	1,559	1,588	1,616	1,644	1,673	1,701	1,729	1,758	1,786
4	1,814	1,843	1,871	1,899	1,928	1,956	1,985	2,013	2,041	2,070	2,098	2,126	2,155	2,183	2,211	2,240
5	2,268	2,296	2,325	2,353	2,381	2,410	2,438	2,466	2,495	2,523	2,552	2,580	2,608	2,637	2,665	2,693
6	2,722	2,750	2,778	2,807	2,835	2,863	2,892	2,920	2,948	2,977	3,005	3,033	3,062	3,090	3,119	3,147
7	3,175	3,204	3,232	3,260	3,289	3,317	3,345	3,373	3,402	3,430	3,459	3,487	3,515	3,544	3,572	3,600
8	3,629	3,657	3,686	3,714	3,742	3,771	3,799	3,827	3,856	3,884	3,912	3,941	3,969	3,997	4,026	4,054
9	4,082	4,111	4,139	4,167	4,196	4,224	4,253	4,281	4,309	4,338	4,366	4,394	4,423	4,451	4,479	4,508
10	4,536	4,564	4,593	4,621	4,649	4,678	4,706	4,734	4,763	4,791	4,820	4,848	4,876	4,905	4,933	4,961
11	4,990	5,018	5,046	5,075	5,103	5,131	5,160	5,188	5,216	5,245	5,273	5,301	5,330	5,358	5,387	5,415
12	5,443	5,472	5,500	5,528	5,557	5,585	5,613	5,641	5,670	5,698	5,727	5,755	5,783	5,812	5,840	5,868
13	5,897	5,925	5,954	5,982	6,010	6,039	6,067	6,095	6,124	6,152	6,180	6,209	6,237	6,265	6,294	6,322
14	6,350	6,379	6,407	6,435	6,464	6,492	6,521	6,549	6,577	6,606	6,634	6,662	6,691	6,719	6,747	6,776

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